UNITED STATES DEPARTMENT OF THE INTERIOR

SURFACE WATER SUPPLY *of the* UNITED STATES 1935

PART 2

SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS

Prepared in cooperation with the States of
ALABAMA, FLORIDA, MISSISSIPPI, NORTH CAROLINA
SOUTH CAROLINA, AND VIRGINIA

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 782

UNITED STATES DEPARTMENT OF THE INTERIOR
HAROLD L. ICKES, Secretary
GEOLOGICAL SURVEY
W. C. MENDENHALL, Director

Water-Supply Paper 782

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SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS

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ILLUSTRATION

SCOPE OF WORK

This volume is one of a series of 14 reports presenting results of measurements of flow made on streams in the United States during the year ending September 30, 1935. The work was begun in 1888 in connection with special studies relating to irrigation. In the execution of the work, measurements of stream flow have been made at about 7,020 points in the United States and also at many points in Alaska and the Hawaiian Islands. In July 1935, 3,020 gaging stations were being maintained by the Geological Survey and the cooperating organizations. Many miscellaneous discharge measurements were made at other points.

DEFINITION OF TERMS

The units in which stream-flow data are presented in this report and other terms used herein are defined as follows:

"Second-feet" is an abbreviation for "cubic feet per second." A second-foot is the rate of discharge of water flowing in a channel when the cross-sectional area is 1 square foot and the average velocity is 1 foot per second.

"Second-feet per square mile" is the average number of cubic feet of water flowing per second from each square mile of area drained, on the assumption that the run-off is distributed uniformly both as regards time and area.

"Run-off in inches" is the depth to which an area would be covered if all the water flowing from it in a given period were uniformly distributed on the surface. It is used for comparing run-off with rainfall, which is usually expressed in inches.

An "acre-foot", equivalent to 43,560 cubic feet, is the quantity required to cover an acre to the depth of 1 foot. The term is commonly used in connection with storage for irrigation.

"Second-foot-day" is the volume of water represented by a flow of 1 second-foot for 24 hours.

"Stage-discharge relation" is an abbreviation for the term "relation of gage height to discharge."

"Control" is a term used to designate the natural section or reach of the channel or artificial structure below the gage which determines the stage-discharge relation at the gage.

EXPLANATION OF DATA

The base data collected at gaging stations consist of records of stage, measurements of discharge, and general information used to supplement the gage heights and discharge measurements in determining the daily flow. The records of stage are obtained either from direct readings on a nonrecording gage or from a water-stage recorder that gives a continuous record of the fluctuations. Measurements of discharge are made with a current meter by the general methods outlined in standard textbooks on the measurement of river

discharge. Typical gaging stations, equipped with water-stage recorder and measuring cable and car, are shown in plate 1.

Rating tables giving the discharge for any stage are prepared from the discharge measurements. The application of the daily gage height to these rating tables gives the daily discharge from which the monthly and yearly mean discharge is computed.

The data presented for each gaging station in the area covered by this report usually comprise a description of the station, a table showing the daily discharge of the stream, and a table of monthly and yearly discharge and run-off. Skeleton rating tables are published except for those stations whose daily discharge for the greater part of the year was determined by shifting-control method or by use of slope or other special methods.

The description of the station gives information in regard to the location and type of gage, diversions that decrease the flow at the gage, artificial regulation from pondage or storage, and the accuracy of the records. Under "Average discharge" is given the average discharge for the number of years indicated. It is given only for stations for which there are 10 or more complete years of record. Information under "Extremes" gives the maximum discharge and gage height; the minimum discharge if there is little or no regulation; the minimum daily discharge if there is extensive regulation, and also the minimum discharge if useful; and the minimum gage height except when it is of no importance. Unless otherwise qualified, the maximum discharge corresponds to the crest stage obtained by use of a water-stage recorder or a nonrecording gage read at the time of the crest. Likewise the minimum represents the lowest discharge unless otherwise qualified.

The table of daily discharge gives, for stations equipped with nonrecording gages, the discharge in second-feet corresponding to once-daily or the mean of twice-daily readings of the gage. For stations equipped with water-stage recorders the table gives the discharge corresponding to the mean daily gage height except for stations on streams subject to sudden or rapid fluctuation. For stations subject to such fluctuation the mean daily gage height may not indicate the true mean daily discharge, which must be obtained by averaging the discharge for intervals of the day or by using the discharge integrator, an instrument for obtaining the mean daily discharge from a continuous gage-height graph and containing as an essential element the rating curve of the station.

In the table of monthly discharge the column headed "Second-foot-days" gives the sum for each month of the discharge given in the table of daily discharge. The column headed "Maximum" gives the maximum daily discharge and not the discharge when the water surface was at crest height. Likewise, in the column headed "Minimum" the quantity given is the minimum daily discharge. The column headed "Mean" is the average flow in cubic feet per second during the month.

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

The accuracy of stream-flow data depends primarily (1) on the permanency of the stage-discharge relation and (2) on the accuracy of observation of stage, measurements of flow, and interpretation of records.

The station description gives a statement in regard to the general accuracy of the records. "Excellent" indicates that, in general, the daily records are accurate within 5 percent; "good", within 10 percent; "fair", within 15 percent; and "poor", within 20 percent or more.

The monthly means for any station may represent with high accuracy the quantity of

A. ARTIFICIAL CONTROL, RECORDER HOUSE, AND MEASURING CABLE ON OLENTANGY RIVER, DELAWARE, OHIO.

B. RECORDER HOUSE AND MEASURING CABLE ON KAWEAH RIVER, THREE RIVERS, CALIF.

TYPICAL RIVER-MEASUREMENT STATIONS.

water flowing past the gage, but the figures showing discharge per square mile and depth in inches may be subject to gross errors caused by the inclusion of large noncontributing districts in the measured drainage area, by lack of information concerning water diverted for irrigation or other use, or by inability to interpret the effect of artificial regulation of the flow of the river above the station. "Second-feet per square mile" and "run-off in inches" are therefore not computed if such errors appear probable. The computations are also omitted for stations on streams draining areas in which the annual rainfall is less than 20 inches.

Many gaging stations on streams in the irrigated areas of the United States are situated above most of the diversions from those streams, and the discharge recorded does not show the water supply available for further development, as prior appropriations below the station must first be satisfied.

The table of monthly discharge gives a general idea of the flow at the station. The table of daily discharge allows more detailed studies of the variation in flow. It should be borne in mind, however, that the observations in each succeeding year may be expected to throw new light on data previously published, and that greater degrees of refinement in computations and records may be warranted with increased data and use of improved equipment.

In order to permit greater refinement in analysis and comparison of records for adjacent stations, the following changes in computation procedure were followed in preparing some of the records published in the series of reports for 1934 and all the records for 1935: (a) Mean monthly discharge above 1,000 second-feet and monthly run-off above 10,000 acre-feet are expressed to four significant figures instead of three significant figures, as formerly; (b) monthly run-off in acre-feet is computed from the total second-foot-days for the month and not from the mean discharge for the month; (c) drainage areas above 1,000 square miles, if measured on topographic maps, or if otherwise warranted, are expressed to four significant figures instead of three as formerly.

PUBLICATIONS

The results of stream-flow measurements are now published annually in 14 parts (parts 12, 13, and 14 were formerly 12-A, 12-B, and 12-C), each part covering an area whose boundaries coincide with natural drainage features as indicated below:

Part 1. North Atlantic slope basins (St. John River to York River).
2. South Atlantic slope and eastern Gulf of Mexico basins (James River to Mississippi River).
3. Ohio River Basin.
4. St. Lawrence River Basin.
5. Hudson Bay and upper Mississippi River Basins.
6. Missouri River Basin.
7. Lower Mississippi River Basin.
8. Western Gulf of Mexico basins.
9. Colorado River Basin.
10. The Great Basin.
11. Pacific slope basins in California.
12. Pacific slope basins in Washington and upper Columbia River Basin.
13. Snake River Basin.
14. Pacific slope basins in Oregon and lower Columbia River Basin.

Water-supply papers and other publications of the United States Geological Survey containing data in regard to the water resources of the United States may be obtained or consulted as indicated below.

1. Copies may be purchased at nominal cost from the Superintendent of Documents, Government Printing Office, Washington, D. C., who will, on application, furnish lists giving prices.

2. Sets of the reports may be consulted in the libraries of the principal cities in the United States.

3. Sets are available for consultation in the local offices of the water-resources branch of the Geological Survey as follows:

Augusta, Maine, Statehouse.
Boston, Mass., 945 Post Office Building.
Hartford, Conn., 203 Federal Building.
Albany, N. Y., 526 Federal Building.
Trenton, N. J., 228 Federal Building.
Harrisburg, Pa., 490 Education Building.
Charlottesville, Va., University of Virginia.
South Charleston, W. Va., Naval Ordnance Plant.
Asheville, N. C., 220 Post Office Building.
Columbia, S. C., 119 United States Courthouse.
Ocala, Fla., Post Office Building.
Montgomery, Ala., Post Office Building.
Chattanooga, Tenn., 442 Post Office Building.
Columbus, Ohio, Engineering Experiment Station, Ohio State University.
Indianapolis, Ind., 319 Federal Building.
Urbana, Ill., 14 Post Office Annex.
Madison, Wis., 337N State Capitol.
St. Paul, Minn., 808 New Post Office Building.
Iowa City, Iowa, 402 Hydraulic Laboratory, University of Iowa.
St. Louis, Mo., 906 Customhouse, 1114 Market Street.
Rolla, Mo., Missouri Geological Survey Building, Missouri School of Mines and Metallurgy.
Topeka, Kans., 305 Federal Building.
Fort Smith, Ark., Post Office Building.
Austin, Tex., State Highway Building.
Santa Fe, N. Mex., 3 United States Courthouse.
Tucson, Ariz., 210 Post Office Building.
Denver, Colo., 403 Post Office Building.
Salt Lake City, Utah, 303 Federal Building.
Idaho Falls, Idaho, 228 Federal Building.
Boise, Idaho, 429 Federal Building.
Helena, Mont., 421 Federal Building.
Tacoma, Wash., 406 Federal Building.
Portland, Oreg., 606 Post Office Building.
San Francisco, Calif., 303 Customhouse.
Los Angeles, Calif., 512 Eighth and Figueroa Building.
Honolulu, Hawaii, 225 Federal Building.

A list of the Geological Survey publications may be obtained by applying to the Director, United States Geological Survey, Washington, D. C.

Records of flow of streams in the United States have been published in the reports tabulated as follows:

Stream-flow data in reports of the United States Geological Survey

(A = Annual Report; B = Bulletin; W = Water-Supply Paper)

Report	Character of data	Year
10th A, pt. 2	Descriptive information only.....	
11th A, pt. 2	Monthly discharge and descriptive information.....	1884 to Sept. 1890.
12th A, pt. 2	.....do.....	1884 to June 30, 1891.
13th A, pt. 3	.....do.....	1884 to Dec. 31, 1892.
14th A, pt. 2	Monthly discharge (long-time records, 1871-93).....	1888 to Dec. 31, 1893.
B 131.....	Descriptions, measurements, gage heights, and ratings.	1893-94.
16th A, pt. 2	Descriptive information only.....	
B 140.....	Descriptions, measurements, gage heights, ratings, and monthly discharge (also many data covering earlier years).	1895.
W 11.....	Gage heights (also gage heights for earlier years).	1896.
18th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge (also similar data for some earlier years).	1895-96.
W 15.....	Descriptions, measurements, and gage heights, eastern United States, eastern Mississippi River, and Missouri River above junction with Kansas River.	1897.
W 16.....	Descriptions, measurements, and gage heights, western Mississippi River below junction of Missouri and Platte Rivers, and western United States.	1897.
19th A, pt. 4	Descriptions, measurements, ratings, and monthly discharge (also some long-time records).	1897.
W 27.....	Measurements, ratings, and gage heights, eastern United States, eastern Mississippi River, and Missouri River.	1898.
W 28.....	Measurements, ratings, and gage heights, Arkansas River and western United States.	1898.
20th A, pt. 4	Monthly discharge (also for many earlier years).	1898.

Stream-flow data in reports of the United States Geological Survey--Continued

(A = Annual Report; B = Bulletin; W = Water-Supply Paper)

Report	Character of data	Year
W 35 to 39...	Descriptions, measurements, gage heights, and ratings	1899.
21st A, pt. 4	Monthly discharge.....	1899.
W 47 to 52...	Descriptions, measurements, gage heights, and ratings	1900.
22d A, pt. 4	Monthly discharge.....	1900.
W 65, 66.....	Descriptions, measurements, gage heights, and ratings	1901.
W 75.....	Monthly discharge.....	1901.

Note.- The reports which contain records after 1901 are given in the table on page 12.

The records at most of the stations discussed in these reports extend over a series of years. Miscellaneous measurements at many points other than regular gaging stations have been made each year and are published under "Miscellaneous discharge measurements" at the end of each report in the same relative order as the regular gaging stations. An index of the reports containing records obtained prior to 1904 has been published in Water-Supply Paper 119.

The following table gives, by years and drainage basins, the numbers of the papers on surface-water supply published from 1899 to 1935. The data for any particular station will, in general, be found in the reports covering the years during which the station was maintained. For example, data from 1910 to 1920 for any station in the area covered by part 3 are published in Water-Supply Papers 283, 303, 323, 353, 383, 403, 433, 453, 473, and 503, which contain records for the Ohio River Basin for those years. Special papers containing compilation of records previously published and also records not contained in the annual series of water-supply papers have been published for some States and drainage basins. For example, stream-flow records for the New-Kanawha River Basin in part 3 from 1895 to 1920 are contained in Water-Supply Paper 536.

Numbers of water-supply papers containing results of stream measurements, 1899-1935

(For basins included, see p. 9)

Year	1	2	3	4	5	6	7	8	9	10	11	12 (12-A)	13 (12-B)	14 (12-C)
1899 a...	35	b 35, 36	36	36	36	c 36, 37	37	37	d 37, 38	38, e 39	38, f 39	38	38	38
1900 g...	47, h 48	48	48, i 49	49	49	49, j 50	50	50	50	51	51	51	51	51
1901.....	65, 75	65, 75	65, 75	65, 75	k 65, 66, 75	66, 75	k 65, 66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75	66, 75
1902.....	82	b 82, 83	83	m 82, 83	k 83, 85	84	k 83, 84	84	85	85	85	85	85	85
1903.....	97	b 97, 98	98	97	k 98, 99, n 100	99	k 98, 99	99	100	100	100	100	100	100
1904.....	o 124, p 125, q 126	q 126, 127	128	129	k 128, 130	130, r 131	k 128, 131	132	133	133, s 134	134	135	135	135
1905.....	o 165, p 166, q 167	q 167, 168	169	170	171	172	k 169, 173	174	175, t 177	176, s 177	177	178	178	u 177, 178
1906.....	o 201, p 202, q 203	q 203, 204	205	206	207	208	k 205, 209	210	211, t 213	212, s 213	213	214	214	214
1907-8...	241	242	243	244	245	246	247	248	249	250, s 251	251	252	252	252
1909.....	261	262	263	264	265	266	267	268	269	270, s 271	271	272	272	272
1910.....	281	282	283	284	285	286	287	288	289	290	291	292	292	292
1911.....	301	302	303	304	305	306	307	308	309	310	311	312	312	312
1912.....	321	322	323	324	325	326	327	328	329	330	331	332-A	332-B	332-C
1913.....	351	352	353	354	355	356	357	358	359	360	361	362-A	362-B	362-C
1914.....	381	382	383	384	385	386	387	388	389	390	391	392	393	394
1915.....	401	402	403	404	405	406	407	408	409	410	411	412	413	414
1916.....	431	432	433	434	435	436	437	438	439	440	441	442	443	444
1917.....	451	452	453	454	455	456	457	458	459	460	461	462	463	464
1918.....	471	472	473	474	475	476	477	478	479	480	481	482	483	484
1919-20..	501	502	503	504	505	506	507	508	509	510	511	512	513	514
1921.....	521	522	523	524	525	526	527	528	529	530	531	532	533	534
1922.....	541	542	543	544	545	546	547	548	549	550	551	552	553	554
1923.....	561	562	563	564	565	566	567	568	569	570	571	572	573	574
1924.....	581	582	583	584	585	586	587	588	589	590	591	592	593	594
1925.....	601	602	603	604	605	606	607	608	609	610	611	612	613	614
1926.....	621	622	623	624	625	626	627	628	629	630	631	632	633	634
1927.....	641	642	643	644	645	646	647	648	649	650	651	652	653	654
1928.....	661	662	663	664	665	666	667	668	669	670	671	672	673	674
1929.....	681	682	683	684	685	686	687	688	689	690	691	692	693	694
1930.....	696	697	698	699	700	701	702	703	704	705	706	707	708	709
1931.....	711	712	713	714	715	716	717	718	719	720	721	722	723	724
1932.....	726	727	728	729	730	731	732	733	734	735	736	737	738	739
1933.....	741	742	743	744	745	746	747	748	749	750	751	752	753	754
1934.....	756	757	758	759	760	761	762	763	764	765	766	767	768	769
1935.....	781	782	783	784	785	786	787	788	789	790	791	792	793	794

a Rating tables and index to Water-Supply Papers 35-39 contained in Water-Supply Paper 39. Tables of monthly discharge for 1899 in 21st Annual Report, part. 4.
b James River only.
c Gallatin River.
d Green and Gunnison Rivers and Colorado River above Gunnison River.
e Mojave River only.
f Kings and Kern Rivers and south Pacific slope basins.
g Rating tables and index to Water-Supply Papers 47-52 and data on precipitation, wells, and irrigation in California and Utah contained in Water-Supply Paper 52. Monthly discharge for 1900 in 22d Annual Report, part 4.
h Wissahickon and Schuylkill Rivers to James River.
i Scioto River.
j Loup, Platte, and Elkhorn Rivers and tributaries below Platte River.
k Tributaries of Mississippi River from east.
m Lake Ontario and tributaries to St. Lawrence River proper.
n Hudson Bay only.
o New England rivers only.
p Hudson River to Delaware River, inclusive.
q Susquehanna River to Yadkin River, inclusive.
r Platte and Kansas Rivers.
s The Great Basin in California, except Truckee and Carson River Basins.
t Below junction with Gila River.
u Rogue, Umpqua, and Siletz Rivers only.

RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

The following table contains a list of gaging stations in the area covered by this report at which records of discharge were collected during the year ending September 30, 1935, by agencies other than the Geological Survey. The records for these stations are not contained in publications of the Geological Survey.

Records of discharge collected by agencies other than the Geological Survey

River	Location	Period	Operated by	Remarks
Savannah River	Augusta, Ga., at 13th Street Bridge	1932-35	Corps of Engineers, U. S. Army	Unpublished.

COOPERATION

The work in the several States was done under cooperative agreements as follows: In Florida, with the State Road Department, C. B. Treadway, chairman, the Okeechobee Flood-Control District, A. W. Young, executive secretary, the city of Jacksonville, E. E. Anders, city commissioner, chairman of Public Utilities, and the city of Tampa, R. E. L. Chancy, mayor; in Mississippi, with the Mississippi Geological Survey, W. C. Morse, director; in North Carolina, with the North Carolina Department of Conservation and Development, R. Bruce Etheridge, director; in South Carolina, with the South Carolina State Highway Department, Ben M. Sawyer, chief highway commissioner, and the city of Spartanburg, L. McD. Kennedy, chairman of board of public works; and in Virginia, with the Conservation and Development Commission of Virginia, W. C. Hall, chairman.

Acknowledgment is due also to the Corps of Engineers, United States Army, to the United States Soil Conservation Service, and to the United States Weather Bureau for financial assistance in collecting records published herein.

Assistance in collecting records was also rendered by the following municipalities, organization, corporations, and individuals: In Alabama, by the Alabama Power Co.; in Florida, by the Florida Power Corporation; in Georgia, by the city council of Augusta, the Georgia Power Co., and the Crisp County Power Commission; in North Carolina, by the cities of Durham and High Point, and Virginia-Carolina Power Co.; in South Carolina, by the Broad River Power Co., Columbia Railway & Navigation Co., and Lexington Water Power Co.; in Virginia, by the Appalachian Electric Power Co., Virginia Electric & Power Co., and Virginia Public Service Co.

Funds for the rehabilitation of gaging stations, repairs, replacement of equipment, and improvement of records were allocated by the Public Works Administration from funds made available by the National Industrial Recovery Act.

DIVISION OF WORK

The data for stations in the several States were collected and prepared for publication under supervision of district engineers as follows: In Alabama, Louisiana, Mississippi, and for the Apalachicola River Basin in Georgia, by D. H. Barber; in Florida and for the Altamaha, Satilla, St. Marys, and Suwannee River Basins in Georgia, by D. S. Wallace; in North Carolina, by E. D. Burchard; in South Carolina, and for the Savannah River Basin in Georgia, by A. E. Johnson; and in Virginia, by J. J. Dirzulaitis.

JAMES RIVER BASIN

Jackson River at Falling Spring, Va.

(Formerly published as Jackson River at Barber, Va.)

Location.- Water-stage recorder, lat. 37°52'36", long. 79°58'39", at Smiths highway bridge 1 mile from Falling Spring (formerly called Barber), Alleghany County, 1½ miles (revised) below Falling Spring Creek. Zero of gage is 1,333.49 feet above mean sea level. Prior to Oct. 26, 1934, chain gage at same site and datum.

Drainage area.- 409 square miles.

Records available.- April 1925 to September 1935.

Average discharge.- 10 years, 458 second-feet.

Extremes.- Maximum discharge during year, 9,590 second-feet Jan. 23 (gage height, 12.32 feet); minimum, 102 second-feet Oct. 30, 31 (gage height, 3.09 feet).
1925-35: Maximum discharge, that of Jan. 23, 1935; minimum, 58 second-feet at times during September and October 1930 (gage height, 2.90 feet).
Maximum known stage previously published for flood of March 1913 (25.6 feet) is too doubtful to be used.

Remarks.- Records good Oct. 1-26 and excellent thereafter.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

3.0	86	3.8	280	5.0	778	8.0	3,200
3.2	116	4.0	348	5.5	1,050	9.0	4,420
3.4	161	4.3	462	6.0	1,360	10.0	5,830
3.6	218	4.6	590	7.0	2,150	11.0	7,380

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	581	132	5,380	542	500	885	3,670	373	341	227	141	110
2	384	154	2,870	559	462	778	2,980	345	300	203	132	110
3	274	141	1,640	504	487	657	2,020	392	267	180	132	118
4	212	151	1,200	454	491	568	1,760	475	390	166	206	154
5	422	277	940	380	442	555	1,500	438	521	174	188	2,750
6	1,050	287	753	359	414	590	1,290	438	430	245	154	3,190
7	830	264	657	355	370	564	1,640	1,350	355	221	350	1,320
8	487	239	564	348	338	529	2,150	1,460	314	227	940	858
9	377	218	491	825	355	479	1,970	1,020	370	559	555	612
10	297	197	442	1,400	1,200	462	1,720	830	352	466	414	470
11	248	180	395	1,080	1,500	864	1,570	704	307	331	794	370
12	212	166	345	830	1,140	3,160	1,600	590	300	264	728	307
13	183	154	321	657	912	4,030	1,640	550	294	224	462	261
14	164	144	297	581	912	2,490	1,460	525	261	197	338	230
15	151	136	261	491	1,600	1,720	1,230	487	251	185	270	203
16	146	132	248	450	1,600	1,360	1,050	496	248	224	233	185
17	141	126	245	703	1,320	1,170	885	529	242	183	206	172
18	124	122	239	1,140	1,080	968	753	538	230	166	206	161
19	120	118	280	858	885	830	657	504	218	151	183	156
20	116	116	728	778	728	753	612	462	188	136	169	154
21	113	113	657	1,580	612	657	568	496	174	136	174	156
22	110	114	550	4,290	550	634	529	533	172	161	239	144
23	108	215	475	7,380	525	1,020	470	546	166	144	191	136
24	106	1,430	414	3,310	483	2,340	430	590	154	141	161	130
25	105	804	392	1,970	442	2,240	395	634	146	161	141	124
26	108	559	676	1,500	1,090	2,650	370	590	138	213	130	120
27	108	430	1,540	1,170	1,500	1,800	348	538	134	479	126	116
28	103	366	1,050	858	1,080	1,360	341	470	130	270	126	113
29	100	3,370	858	728	-	1,140	338	418	132	203	122	111
30	102	3,090	680	634	-	968	418	411	206	166	116	108
31	102	-	550	542	-	2,200	-	403	-	146	111	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,684	1,050	100	248	0.606	0.70
November	13,945	3,370	113	465	1.14	1.27
December	26,138	5,380	239	843	2.06	2.38
Calendar year 1934	133,046	5,380	60	365	.892	12.11
January	37,256	7,380	348	1,202	2.94	3.39
February	23,018	1,600	338	822	2.01	2.09
March	40,421	4,030	462	1,304	3.19	3.68
April	36,384	3,670	338	1,212	2.96	3.30
May	18,135	1,460	345	585	1.43	1.65
June	7,731	521	130	258	.631	.70
July	6,949	559	136	224	.548	.63
August	8,438	940	111	272	.665	.77
September	13,149	3,190	108	438	1.07	1.19
Water year 1934-35	239,228	7,380	100	655	1.60	21.75

James River at Lick Run, Va.

Location.- Water-stage recorder, lat. 37°47', long. 79°47', at highway bridge at Lick Run, Botetourt County, three-quarters of a mile below confluence of Cowpasture and Jackson Rivers. Zero of gage is 978.30 feet above mean sea level.

Drainage area.- 1,369 square miles.

Records available.- April 1925 to September 1935.

Average discharge.- 10 years, 1,510 second-feet.

Extremes.- Maximum discharge during year, 40,000 second-feet Jan. 23 (gage height, 22.98 feet); minimum, 258 second-feet Sept. 30 (gage height, 1.90 feet).
1925-35: Maximum discharge, that of Jan. 23, 1935; minimum, 153 second-feet Oct. 11, 1930 (gage height, 1.51 feet).
Flood of September 1877 reached a stage of 29.1 feet and that of March 1913, 27.2 feet (discharge not determined).

Remarks.- Records good except those estimated for Oct. 28 to Nov. 2, Feb. 14-18, Mar. 24-31, based on records for stations at Barber and Buchanan, which are fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

(Shifting-control method used June 12 to Sept. 30)

1.6	216	2.8	860	5.0	3,160	12.0	15,600
1.8	302	3.0	1,000	6.0	4,580	14.0	19,700
2.0	396	3.3	1,240	7.0	6,120	16.0	23,900
2.2	498	3.6	1,520	8.0	7,790	18.0	28,300
2.4	610	4.0	1,940	9.0	9,620	20.0	32,800
2.6	730	4.5	2,520	10.0	11,600	23.0	40,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,780	330	21,000	1,600	1,940	3,300	18,300	1,240	1,120	558	386	271
2	1,120	370	14,400	1,330	1,830	2,840	13,800	1,120	965	616	358	271
3	821	411	6,600	1,720	1,830	2,520	7,790	1,160	881	447	330	320
4	658	604	4,430	1,570	2,000	2,220	8,150	1,280	930	411	330	1,000
5	581	916	3,370	1,330	1,880	2,000	7,450	1,280	1,420	416	431	9,720
6	3,300	930	2,580	1,200	1,720	2,100	5,640	1,240	1,240	558	362	15,000
7	5,320	814	2,160	1,200	1,570	2,100	6,440	1,880	1,040	628	343	5,410
8	2,400	730	1,880	1,160	1,420	2,050	9,430	3,860	930	575	1,970	3,370
9	1,520	658	1,620	3,110	1,520	1,880	8,510	2,700	1,040	917	1,720	2,220
10	1,120	593	1,420	5,960	2,280	1,720	6,770	2,220	1,120	1,160	1,160	1,620
11	930	536	1,280	4,140	4,000	2,160	5,800	1,940	930	782	2,020	1,240
12	808	493	1,120	3,100	4,140	5,670	5,480	1,670	854	610	2,640	1,000
13	682	462	1,040	2,400	3,510	15,200	5,330	1,520	1,040	514	1,420	828
14	593	426	1,000	2,100	3,000	9,240	4,880	1,470	895	467	1,000	730
15	520	401	902	1,780	4,900	6,120	4,140	1,380	802	421	776	628
16	472	382	834	1,570	5,200	4,730	3,580	1,380	750	416	652	547
17	436	362	814	2,280	4,300	4,000	3,100	1,420	743	441	616	530
18	406	339	795	3,510	3,600	3,370	2,640	1,420	676	377	575	652
19	386	334	834	2,960	3,030	2,770	2,340	1,330	616	343	541	598
20	362	325	1,880	2,700	2,580	2,580	2,100	1,280	525	348	541	467
21	348	320	2,280	4,280	2,220	2,400	1,940	1,280	467	348	536	406
22	334	316	1,830	14,900	1,940	2,220	1,880	1,420	472	551	756	382
23	316	1,050	1,570	35,300	1,880	2,640	1,670	1,420	421	564	916	339
24	302	3,440	1,380	15,200	1,780	6,400	1,520	1,470	416	411	682	316
25	302	2,960	1,240	7,450	1,570	7,500	1,420	1,720	386	386	509	302
26	298	1,880	1,280	5,480	2,220	11,000	1,330	1,880	343	498	416	284
27	293	1,420	3,100	4,280	5,330	8,400	1,240	1,670	330	1,480	377	276
28	290	1,200	2,900	3,370	4,000	5,400	1,200	1,420	316	1,160	339	284
29	290	12,600	2,400	2,840	-	4,200	1,160	1,280	358	743	320	271
30	290	14,300	2,050	2,520	-	3,300	1,200	1,200	564	541	302	262
31	290	-	1,720	2,160	-	6,700	-	1,200	-	436	284	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	27,568	5,320	290	889	0.649	0.75
November	49,902	14,300	316	1,663	1.21	1.35
December	91,709	21,000	795	2,958	2.16	2.49
Calendar year 1934	469,263	21,000	186	1,286	.939	12.75
January	145,020	35,300	1,160	4,678	3.42	3.94
February	77,190	5,330	1,420	2,757	2.01	2.09
March	138,730	15,200	1,720	4,475	3.27	3.77
April	146,230	18,300	1,160	4,874	3.56	3.97
May	48,750	3,860	1,120	1,573	1.15	1.33
June	22,590	1,420	316	753	.550	.61
July	18,123	1,480	343	585	.427	.49
August	23,608	2,640	284	762	.557	.64
September	49,544	15,000	262	1,651	1.21	1.35
Water year 1934-35	838,964	35,300	262	2,299	1.68	22.78

James River at Buchanan, Va.

Location.- Water-stage recorder, lat. 37°31'50", long. 79°40'45", at highway bridge near Chesapeake & Ohio Railway station, Buchanan, Botetourt County. Zero of gage is 802.56 feet above mean sea level.

Drainage area.- 2,084 square miles.

Records available.- August 1895 to September 1935.

Average discharge. - 36 years (1898-1912, 1913-35), 2,510 second-feet.

Extremes.- Maximum discharge during year, 63,400 second-feet Jan. 23 (gage height, 23.82 feet); minimum, 468 second-feet Sept. 30.
1895-1935: Maximum discharge, about 92,200 second-feet Mar. 27, 1913 (gage height, 31 feet); minimum discharge, 255 second-feet several days in September 1932 (gage height, 1.60 feet).

Remarks.- Records excellent. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Sept. 6						Table for Sept. 7-30			
1.8	390	3.6	2,080	12.0	24,300	2.0	430	3.6	1,910
2.0	495	4.0	2,680	14.0	30,700	2.2	545	4.0	2,470
2.2	615	4.5	3,530	16.0	37,300	2.4	675	4.5	3,280
2.4	750	5.0	4,480	18.0	43,900	2.6	820	5.0	4,240
2.6	910	6.0	6,600	20.0	50,500	2.8	1,000	6.0	6,440
2.8	1,100	7.0	9,020	22.0	57,300	3.0	1,200	7.0	8,960
3.0	1,320	8.0	11,800	24.0	64,100	3.3	1,540	8.0	11,800
3.3	1,680	10.0	17,900						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,510	525	32,500	2,080	2,920	4,480	27,500	1,810	1,560	814	654	495
2	1,880	579	30,100	2,220	2,680	3,900	28,100	1,680	1,370	750	609	490
3	1,290	634	12,800	2,370	2,680	3,440	15,100	1,620	1,290	750	579	543
4	1,040	701	7,770	2,220	2,760	3,100	14,500	1,740	1,510	680	555	628
5	902	928	5,720	2,010	2,680	2,760	14,800	1,810	1,560	654	561	13,800
6	3,000	1,200	4,380	1,740	2,440	2,840	10,600	1,740	1,740	736	603	27,300
7	11,300	1,120	3,620	1,680	2,220	2,840	11,800	1,810	1,450	830	573	11,800
8	5,440	1,050	3,100	1,680	2,080	2,760	17,900	4,090	1,320	814	1,170	5,980
9	3,100	982	2,680	2,120	2,010	2,600	17,000	3,440	1,620	854	2,600	3,940
10	2,150	910	2,370	11,200	2,600	2,440	12,100	2,760	1,490	1,460	1,560	2,780
11	1,740	870	2,150	7,770	6,380	2,840	9,810	2,370	1,370	1,290	1,810	2,110
12	1,480	846	1,810	5,510	5,510	5,400	8,760	2,150	1,180	946	3,180	1,720
13	1,210	806	1,680	4,000	4,380	20,500	8,010	1,940	1,220	838	2,080	1,440
14	1,030	782	1,560	3,350	3,900	15,400	7,290	1,880	1,260	790	1,400	1,230
15	910	736	1,460	2,920	6,810	10,100	6,380	1,810	1,080	722	1,060	1,070
16	838	715	1,320	2,520	8,260	7,530	5,300	1,810	1,000	660	878	943
17	790	654	1,260	3,010	6,830	6,160	4,680	1,810	982	729	774	854
18	750	615	1,220	4,980	5,510	5,090	4,000	1,810	946	648	774	871
19	715	597	1,280	4,980	4,480	4,180	3,530	1,740	894	597	774	896
20	701	573	2,080	4,280	3,800	3,800	3,180	1,680	838	573	766	837
21	758	567	3,350	5,620	3,260	3,530	3,010	1,740	766	648	743	703
22	660	555	2,760	18,900	2,840	3,260	2,840	1,810	743	766	766	662
23	641	985	2,440	54,900	2,680	3,440	2,600	1,940	715	928	1,210	623
24	615	4,480	2,080	35,300	2,600	10,100	2,370	1,940	680	743	1,080	590
25	603	5,200	1,880	14,500	2,300	12,700	2,150	2,300	667	701	870	564
26	597	3,350	1,810	9,540	2,370	21,700	2,010	2,680	634	694	715	539
27	597	2,440	2,670	7,290	6,160	17,000	1,880	2,370	615	1,090	634	527
28	525	1,940	3,710	5,510	5,720	10,100	1,810	2,080	597	1,810	597	509
29	507	17,900	3,010	4,380	-	7,530	1,810	1,880	597	1,180	561	497
30	507	30,800	2,680	3,900	-	5,940	1,740	1,680	634	878	537	474
31	501	-	2,300	3,350	-	9,700	-	1,620	-	736	513	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	48,287	11,300	501	1,558	0.746	0.86
November	84,040	30,800	525	2,801	1.34	1.50
December	149,550	32,500	1,220	4,824	2.31	2.66
Calendar year 1934	771,663	32,500	360	2,114	1.01	13.76
January	235,830	54,900	1,680	7,607	3.65	4.21
February	108,860	8,260	2,010	3,888	1.87	1.95
March	217,160	21,700	2,440	7,005	3.36	3.87
April	252,560	28,100	1,740	8,419	4.04	4.51
May	63,540	4,090	1,620	2,050	.984	1.13
June	32,328	1,740	597	1,078	.517	.58
July	26,309	1,810	573	849	.407	.47
August	31,186	3,180	513	1,006	.483	.56
September	85,415	27,300	474	2,847	1.37	1.53
Water year 1934-35	1,335,065	54,900	474	3,658	1.76	23.83

James River at Holcombs Rock, Va.

Location.- Water-stage recorder, lat. 37°30', long. 79°15', at Holcombs Rock, Bedford County, half a mile below Pedlar River.

Drainage area.- 3,250 square miles.

Records available.- August 1931 to September 1935. January 1900 to September 1915 (gage heights only).

Extremes.- Maximum discharge during year, 78,000 second-feet Jan. 23 (gage height, 26.61 feet); minimum, 234 second-feet Aug. 7 (gage height, 3.60 feet).
1931-35: Maximum discharge, that of Jan. 23, 1935, minimum, 120 second-feet July 20, 1934 (gage height, 3.30 feet); minimum daily discharge, 288 second-feet Sept. 9, 1932.
Flood of March 1913 reached a stage of about 36 feet on present gage (discharge not determined).

Remarks.- Records excellent except those for Oct. 8-14, Dec. 4, 19-23, Jan. 15, 16, which are good and were estimated on basis of records for stations at Buchanan and Bent Creek. Flow regulated by power plants above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

4.0	472	7.0	5,150	17.0	33,000
4.2	634	8.0	7,250	18.0	36,800
4.4	820	9.0	9,450	19.0	40,800
4.6	1,030	10.0	11,700	20.0	45,000
4.8	1,260	11.0	14,000	21.0	49,500
5.0	1,510	12.0	16,500	22.0	54,200
5.3	1,940	13.0	19,200	23.0	59,200
5.6	2,410	14.0	22,300	24.0	64,300
6.0	3,120	15.0	25,700	25.0	69,500
6.5	4,110	16.0	29,300	26.0	74,800

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,860	581	57,900	3,010	4,700	6,760	30,000	2,540	2,220	1,060	1,020	704
2	2,700	804	42,900	3,140	3,980	5,890	36,300	2,760	2,110	1,310	823	882
3	1,780	980	18,600	3,310	3,930	5,070	20,700	2,640	2,020	1,200	932	721
4	1,620	1,600	12,100	3,220	4,070	5,230	18,500	2,650	2,240	867	919	868
5	1,560	1,600	8,980	2,990	4,110	4,160	19,300	2,640	2,020	1,120	849	17,100
6	3,080	1,830	6,920	2,510	3,780	3,910	15,200	2,560	2,240	1,170	874	40,200
7	12,000	1,650	5,670	2,510	3,380	4,080	15,100	2,660	2,310	1,190	712	20,000
8	9,100	1,580	4,950	2,560	2,970	3,950	23,200	3,800	1,980	1,320	1,900	10,800
9	5,200	1,520	3,920	5,090	3,060	3,760	22,900	5,170	2,620	1,390	2,920	7,400
10	3,500	1,400	3,820	12,800	4,180	3,340	17,500	3,830	2,360	1,340	2,390	5,560
11	2,700	1,230	3,370	10,800	8,290	3,840	14,800	3,460	2,180	2,070	2,880	4,070
12	2,300	1,270	2,980	7,820	8,440	5,720	13,300	2,960	2,100	1,520	4,360	3,420
13	2,100	1,010	2,710	6,020	6,720	24,800	12,100	2,820	1,740	1,320	3,510	2,770
14	1,700	1,070	2,610	5,190	6,020	21,400	11,100	2,720	2,150	1,240	2,130	2,420
15	1,300	883	2,290	4,600	7,930	14,300	9,700	2,590	1,820	1,320	1,770	2,140
16	1,350	1,060	2,260	3,900	11,000	11,200	8,360	2,680	1,750	982	1,620	1,940
17	1,250	973	1,970	3,720	9,540	9,180	7,270	2,520	1,520	1,020	1,130	1,470
18	1,170	992	1,930	5,230	8,060	7,860	6,350	2,570	1,560	1,150	1,060	1,730
19	1,040	759	2,300	6,400	6,740	6,710	5,610	2,270	1,340	980	1,200	1,490
20	1,100	981	3,300	5,310	5,820	5,650	5,130	2,400	1,440	865	1,370	1,620
21	840	784	4,600	6,940	5,120	4,920	4,720	2,560	1,380	768	1,560	1,550
22	1,020	900	4,400	26,400	4,500	4,830	4,680	2,450	1,220	1,150	1,680	1,380
23	1,070	1,280	3,800	70,600	3,930	4,420	3,960	2,620	1,080	1,340	1,830	938
24	794	3,960	3,120	50,100	3,500	9,360	3,730	2,760	1,120	1,370	2,080	1,160
25	754	6,290	2,860	19,700	3,580	14,500	3,520	2,640	1,060	952	1,560	996
26	802	4,580	2,730	13,600	3,510	22,800	3,180	3,140	940	1,670	1,260	1,100
27	946	2,940	2,780	10,900	6,170	20,600	2,720	3,180	1,010	1,600	1,140	1,020
28	918	2,740	4,990	8,540	8,560	13,500	2,890	2,880	933	2,110	957	984
29	822	19,700	4,390	6,920	-	10,400	2,780	2,600	842	2,020	1,070	982
30	725	39,200	3,460	6,110	-	8,320	2,780	2,220	1,050	1,390	804	925
31	706	-	3,600	5,090	-	9,410	-	2,380	-	1,140	844	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	67,807	12,000	706	2,187	0.673	0.78
November	106,147	39,200	581	3,538	1.09	1.22
December	232,210	57,900	1,930	7,491	2.30	2.65
Calendar year 1934	1,104,720	57,900	358	3,027	.931	12.64
January	325,030	70,600	2,510	10,480	3.22	3.71
February	155,590	11,000	2,970	5,557	1.71	1.78
March	279,870	24,800	3,340	9,028	2.78	3.20
April	347,380	36,300	2,720	11,580	3.56	3.97
May	87,670	5,170	2,220	2,828	.870	1.00
June	50,355	2,620	842	1,678	.516	.58
July	39,944	2,110	768	1,289	.397	.46
August	49,154	4,360	712	1,586	.488	.56
September	138,340	40,200	704	4,511	1.42	1.58
Water year 1934-35	1,e79,497	70,600	581	5,149	1.58	21.49

James River at Bent Creek, Va.

Location.- Water-stage recorder, lat. 37°32', long. 78°50', at highway bridge at Bent Creek, Appomattox County, 150 feet below Bent Creek and 1 mile below Gladstone. Zero of gage is 380.67 feet above mean sea level.

Drainage area.- 3,671 square miles.

Records available.- March 1925 to September 1935.

Average discharge.- 10 years, 3,930 second-feet.

Extremes.- Maximum discharge during year, 81,300 second-feet Jan. 24 (gage height, 20.22 feet); minimum, 460 second-feet Oct. 29 (gage height, 2.41 feet); minimum daily discharge, 764 second-feet Oct. 29.
1925-35: Maximum discharge, that of Jan. 24, 1935; minimum, 222 second-feet Oct. 13, 14, 1930 (gage height, 2.21 feet); minimum daily discharge, 222 second-feet Oct. 13, 1930.

Remarks.- Records good except those for Jan. 26-31, Feb. 27 to Mar. 3, Mar. 13, 14, June 20-26, which are fair and were estimated on basis of records for stations at Holcombs Rock and Scottsville. Flow regulated by power plants above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.6	660	5.0	5,450	10.0	23,000
2.8	910	5.5	6,810	11.0	27,600
3.0	1,200	6.0	8,290	12.0	32,600
3.3	1,710	6.5	9,860	14.0	43,500
3.6	2,270	7.0	11,500	16.0	55,500
4.0	3,090	8.0	15,000	18.0	67,700
4.5	4,210	9.0	18,800	20.0	80,100

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,460	952	60,700	4,270	5,320	7,800	29,800	3,380	2,560	1,390	1,420	1,140
2	2,500	925	58,100	3,740	5,380	6,600	44,200	3,660	2,660	1,950	1,220	1,050
3	2,900	902	26,200	3,850	4,990	5,900	27,100	3,030	2,980	1,760	1,100	1,000
4	1,810	1,590	15,900	4,030	5,480	6,670	21,000	3,300	5,670	1,700	1,270	1,340
5	1,880	1,970	11,800	3,560	4,940	3,540	22,200	3,240	2,870	1,110	1,260	18,900
6	2,890	1,860	9,080	3,350	4,240	4,940	18,500	3,070	2,600	1,610	1,500	54,600
7	8,950	2,060	7,540	3,130	4,380	5,000	17,500	3,340	2,660	1,820	1,180	29,200
8	11,000	1,650	6,140	2,900	3,840	4,640	24,800	3,160	2,790	1,660	1,500	14,100
9	6,370	1,750	5,510	3,790	3,440	4,340	28,100	5,980	4,170	1,900	2,600	9,480
10	4,110	1,870	4,710	10,400	4,380	4,330	21,200	5,320	4,310	1,790	3,720	5,900
11	3,130	1,630	4,860	12,500	7,310	4,100	17,400	3,960	2,820	1,760	2,370	5,340
12	2,500	1,330	3,720	9,340	9,770	5,750	15,300	3,510	2,730	2,450	3,920	4,020
13	2,500	1,470	3,690	7,140	7,820	27,000	13,700	3,700	2,620	2,150	4,840	3,610
14	2,020	1,320	3,310	6,170	7,000	24,000	12,600	3,430	2,140	2,370	2,780	2,970
15	1,700	1,120	3,200	5,350	7,850	17,100	11,200	3,470	2,600	1,600	2,290	2,850
16	1,460	1,140	3,000	4,420	11,600	13,400	9,800	3,200	2,280	1,710	1,880	2,040
17	1,470	1,090	2,580	4,360	10,800	11,100	8,380	3,200	2,000	1,340	1,990	2,520
18	1,450	1,260	2,780	4,560	9,260	9,400	7,280	3,060	2,190	1,210	1,650	1,780
19	1,360	978	2,930	6,810	7,850	7,910	6,380	3,050	1,960	1,680	1,120	1,850
20	1,370	1,010	3,810	6,620	6,880	6,920	5,750	2,730	1,900	1,220	1,440	1,940
21	1,460	1,440	4,570	6,720	6,040	6,460	5,320	3,600	1,700	1,170	1,870	2,120
22	854	991	5,150	13,400	5,290	6,020	5,190	3,210	1,700	1,080	1,820	2,020
23	1,390	894	4,400	59,700	5,210	5,840	5,060	3,010	1,700	2,030	2,440	1,680
24	1,040	2,700	3,950	72,300	4,010	7,140	4,140	3,360	1,500	1,400	1,930	1,400
25	1,330	6,320	3,710	27,900	4,520	15,300	4,390	3,440	1,400	1,980	2,740	1,220
26	926	5,590	3,510	17,000	4,410	21,400	4,060	3,200	1,250	1,850	1,460	1,340
27	1,000	4,260	3,250	13,000	6,200	25,200	3,850	4,130	1,220	3,030	1,110	1,450
28	1,280	2,900	4,350	9,900	8,400	16,900	3,480	3,600	1,320	2,070	1,760	1,350
29	764	13,600	5,310	8,100	-	12,900	3,320	3,240	1,300	2,480	1,360	1,460
30	1,100	45,400	4,470	7,000	-	10,600	3,560	3,250	1,290	2,200	999	1,270
31	880	-	4,200	6,100	-	10,200	-	2,960	-	1,540	1,020	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	74,854	11,000	764	2,415	0.658	0.76
November	111,972	45,400	894	3,732	1.02	1.14
December	286,430	60,700	2,580	9,240	2.52	2.90
Calendar year 1934	1,289,205	60,700	397	3,532	.962	13.06
January	351,610	72,300	2,900	11,340	3.09	3.56
February	176,610	11,600	3,440	6,308	1.72	1.79
March	318,400	27,000	3,540	10,270	2.80	3.23
April	404,560	44,200	3,320	13,490	3.67	4.10
May	107,790	5,980	2,730	3,477	.947	1.09
June	70,910	4,310	1,220	2,364	.644	.72
July	55,010	3,030	1,080	1,775	.484	.56
August	59,559	4,840	999	1,921	.523	.60
September	181,940	54,600	1,000	6,065	1.65	1.84
Water year 1934-35	2,199,645	72,300	764	6,026	1.64	22.29

James River at Scottsville, Va.

Location.- Water-stage recorder, lat. 37°48', long. 78°30', at highway bridge at Scottsville, Albemarle County, 7 miles above Hardware River. Zero of gage is 253.39 feet above mean sea level.

Drainage area.- 4,571 square miles.

Records available.- February 1925 to September 1935.

Average discharge.- 10 years, 4,800 second-feet.

Extremes.- Maximum discharge during year, 93,400 second-feet Sept. 6 (gage height, 23.06 feet); minimum, 820 second-feet Oct. 30 (gage height, 2.18 feet); minimum daily discharge, 1,140 second-feet Oct. 30.
1925-35: Maximum discharge, that of Sept. 6, 1935; minimum, 302 second-feet Oct. 1, 1930 (gage height, 1.46 feet); minimum daily discharge, 307 second-feet Oct. 15, 1930.

Remarks.- Records excellent except those for Nov. 22-26, Jan. 26-28, June 4, 5, which are good and were estimated on basis of records for stations at Bent Creek and Cartersville. Flow regulated by power plants above station.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Sept. 7-30)

Table for Oct. 1 to Sept. 5						Table for Sept. 6-30			
2.4	1,050	5.0	4,880	12.0	26,700	3.0	1,760	14.0	35,500
2.6	1,270	6.0	6,790	14.0	35,500	4.0	3,190	16.0	45,400
2.8	1,510	7.0	9,110	16.0	45,400	6.0	6,790	18.0	57,000
3.0	1,760	8.0	12,000	18.0	57,000	8.0	12,000	20.0	70,500
3.5	2,440	9.0	15,300	20.0	69,700	10.0	18,900	22.0	85,200
4.0	3,190	10.0	18,900	22.0	82,800	12.0	26,700	23.0	92,600

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,740	1,240	65,300	5,110	7,130	10,000	25,000	4,460	3,680	1,910	2,140	1,590
2	2,480	1,400	75,200	4,840	6,620	8,260	47,200	4,340	3,300	4,560	2,000	1,740
3	3,460	1,280	40,600	4,840	6,160	7,630	37,800	4,560	2,880	3,930	1,860	1,600
4	3,300	1,420	21,000	5,030	6,050	6,620	26,000	4,770	7,250	2,800	1,690	2,040
5	2,200	3,000	14,600	4,490	5,880	6,990	26,600	4,500	4,390	2,100	1,790	20,000
6	3,100	2,530	11,100	4,380	6,100	5,330	23,700	4,180	3,560	2,120	1,720	84,400
7	4,380	2,710	8,900	3,740	5,520	5,840	21,900	4,600	3,610	2,400	2,100	46,500
8	12,900	2,400	7,900	4,320	5,460	5,630	29,900	4,160	3,160	2,700	2,120	20,800
9	8,090	2,340	6,960	4,090	4,720	5,560	35,400	5,040	4,640	3,710	2,780	13,000
10	5,920	2,350	5,710	7,500	6,190	5,720	28,100	6,620	6,020	3,020	4,000	9,390
11	3,900	2,120	5,580	15,500	7,570	4,920	22,200	6,080	4,320	2,680	4,110	7,280
12	3,620	2,080	5,000	12,300	10,800	6,970	19,300	4,960	3,730	2,760	3,360	6,010
13	3,150	2,080	4,460	9,170	10,500	25,600	17,400	4,910	3,710	3,910	4,920	5,080
14	2,660	1,860	4,320	7,680	8,920	33,500	15,300	4,410	3,120	4,200	4,820	4,360
15	2,550	1,710	3,890	6,520	9,410	23,000	14,000	4,420	3,300	2,960	3,320	3,670
16	2,140	1,430	3,680	6,120	11,400	16,700	12,300	4,100	3,100	3,050	2,680	3,150
17	2,020	1,500	3,400	5,280	13,600	13,400	10,600	4,070	3,280	3,000	2,590	3,250
18	2,000	1,540	3,560	5,200	11,700	11,200	9,460	3,920	2,890	2,540	2,980	2,660
19	1,980	1,650	3,380	6,230	9,920	9,800	8,500	4,030	2,770	2,290	2,400	2,520
20	1,900	1,470	5,390	7,860	8,490	8,250	7,740	3,500	2,680	2,400	2,760	2,540
21	1,700	1,740	5,540	8,440	7,810	7,560	7,380	4,280	2,360	1,890	3,510	2,700
22	1,850	1,400	6,140	11,600	6,540	7,130	7,360	4,430	2,500	1,940	3,400	2,420
23	1,370	1,400	5,860	51,900	6,660	6,880	7,020	3,980	2,620	2,080	3,280	2,680
24	1,770	3,000	5,050	82,700	5,430	7,110	6,560	4,150	2,140	2,850	3,520	2,000
25	1,420	5,700	4,500	46,900	5,490	15,000	5,840	4,340	2,060	2,140	2,880	1,830
26	1,620	6,100	4,240	23,300	5,500	22,000	5,260	3,990	1,530	3,060	3,260	1,700
27	1,240	5,470	4,680	16,500	6,670	29,700	5,760	4,370	1,720	3,920	2,040	1,850
28	1,300	3,830	3,990	12,600	8,830	22,200	4,830	4,540	1,780	3,300	1,920	1,840
29	1,540	11,100	5,960	10,400	-	15,600	4,970	4,060	2,250	3,070	2,400	1,790
30	1,140	46,700	5,850	8,740	-	12,400	4,550	3,940	2,200	3,230	1,840	1,740
31	1,350	-	4,540	8,060	-	11,800	-	4,500	-	2,760	1,540	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	90,790	12,900	1,140	2,929	0.641	0.74
November	124,550	46,700	1,240	4,152	.908	1.01
December	356,280	75,200	3,380	11,490	2.51	2.89
Calendar year 1934	1,644,684	75,200	652	4,506	.986	13.37
January	411,340	82,700	3,740	13,270	2.90	3.34
February	215,070	13,600	4,720	7,681	1.68	1.75
March	378,400	33,500	4,920	12,210	2.67	3.08
April	497,930	47,200	4,550	16,600	3.63	4.05
May	138,210	6,620	3,500	4,458	.975	1.12
June	96,550	7,250	1,530	3,218	.704	.79
July	89,280	4,560	1,890	2,880	.630	.73
August	85,730	4,920	1,540	2,765	.605	.70
September	262,140	84,400	1,590	8,738	1.91	2.13
Water year 1934-35	2,746,270	84,400	1,140	7,524	1.65	22.33

James River at Cartersville, Va.

Location.- Water-stage recorder, lat. 37°40', long. 78°5', at highway bridge between Pemberton and Cartersville, Cumberland County, 1 mile below Willis River. Zero of gage is 161.57 feet above mean sea level.

Drainage area.- 6,242 square miles.

Records available.- January 1899 to September 1935.

Average discharge.- 35 years (1899-1904, 1905-35), 7,180 second-feet.

Extremes.- Maximum discharge during year, 134,000 second-feet Sept. 6 (gage height, 27.80 feet, from flood marks); minimum, 1,540 second-feet Oct. 31 (gage height, 1.01 feet); minimum daily discharge, 1,840 second-feet Oct. 28.
1899-1935: Maximum discharge, that of Sept. 6, 1935; minimum, 320 second-feet Sept. 22, 1932 (gage height, 0.11 foot); minimum daily discharge, 348 second-feet Oct. 5, 1930.

Remarks.- Records excellent. Flow regulated by power plants above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Sept. 8-29)

1.2	1,820	3.0	4,910	6.5	12,200	14.0	40,600
1.4	2,140	3.5	5,830	7.0	13,600	16.0	50,100
1.6	2,460	4.0	6,780	8.0	16,600	18.0	60,000
1.8	2,800	4.5	7,740	9.0	20,000	20.0	70,000
2.0	3,140	5.0	8,740	10.0	23,600	22.0	81,500
2.3	3,650	5.5	9,800	11.0	27,500	24.0	96,000
2.6	4,190	6.0	10,900	12.0	31,600	26.0	113,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,280	1,900	75,500	5,920	9,240	12,500	25,900	5,730	5,790	3,020	3,070	2,080
2	3,560	1,910	98,100	7,600	7,680	10,600	56,500	5,610	4,500	2,860	2,500	2,000
3	3,620	2,070	77,400	6,260	8,020	9,480	54,700	5,620	4,110	6,650	2,530	2,020
4	4,440	1,960	33,900	6,240	7,880	8,970	35,700	5,990	6,170	3,970	2,500	2,050
5	3,700	2,950	19,500	5,720	8,040	8,360	31,600	6,010	8,600	3,480	2,220	22,800
6	3,660	4,100	14,300	5,490	7,740	6,700	29,800	5,770	4,920	3,200	2,190	104,000
7	6,220	3,340	11,400	5,180	7,040	7,340	28,300	5,500	4,180	3,140	2,140	110,000
8	11,700	3,480	9,790	4,640	6,780	7,500	41,500	5,890	4,140	3,200	2,500	46,800
9	12,200	2,900	8,450	5,740	6,470	7,020	54,900	5,320	5,300	5,720	2,640	21,000
10	7,900	3,080	7,780	9,020	9,160	6,800	42,400	7,020	8,260	5,380	3,400	13,500
11	5,870	3,090	6,680	15,800	11,900	6,880	31,200	7,770	7,240	4,320	4,860	10,600
12	4,820	2,840	6,380	15,200	12,200	6,940	25,200	6,440	4,880	3,560	6,740	8,600
13	4,360	2,520	5,840	11,200	13,600	33,700	22,000	5,900	6,400	3,620	5,000	7,040
14	3,900	2,820	5,520	9,200	11,200	44,100	19,400	5,480	5,260	7,020	5,900	6,280
15	3,110	2,520	5,060	7,860	12,900	34,500	17,500	5,220	4,140	5,340	4,640	5,540
16	3,300	2,380	4,780	7,140	13,400	23,000	15,700	5,330	4,440	4,320	3,660	4,970
17	2,720	2,140	4,460	6,430	17,200	17,200	13,800	5,040	4,000	5,120	2,930	3,960
18	2,620	2,090	4,040	6,970	16,600	14,100	12,100	4,980	3,640	5,250	3,300	4,400
19	2,620	2,230	4,760	6,930	13,600	11,800	10,900	4,770	3,630	3,400	4,650	3,500
20	2,580	2,140	8,020	9,230	11,400	10,400	9,950	4,760	3,480	3,200	4,420	3,420
21	2,440	2,170	7,780	11,900	10,000	9,440	9,260	4,490	3,520	2,880	5,750	3,440
22	2,340	2,240	7,270	14,100	8,960	8,800	9,740	5,840	3,020	2,440	5,900	3,440
23	2,260	2,160	7,440	50,800	7,880	8,270	9,260	5,560	3,120	2,500	4,930	2,900
24	2,160	3,500	6,720	88,700	7,690	8,500	8,560	5,480	3,040	2,900	4,540	3,260
25	2,260	4,940	5,920	84,100	6,750	11,000	7,420	5,520	2,620	3,200	4,260	2,590
26	2,100	7,260	5,600	36,300	6,840	24,500	7,270	5,400	2,470	2,860	3,660	2,320
27	2,120	6,900	5,430	21,900	9,460	31,200	6,670	4,940	2,080	6,560	3,600	2,270
28	1,840	5,780	5,100	16,400	8,890	29,500	6,540	5,210	2,060	6,240	2,680	2,460
29	1,940	9,070	5,820	13,200	-	19,800	5,940	5,070	3,040	3,960	2,360	2,380
30	1,980	50,200	6,990	11,200	-	15,100	6,120	4,750	3,070	3,860	2,650	2,280
31	1,870	-	6,300	9,760	-	14,000	-	6,560	-	3,740	2,400	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	121,490	12,200	1,840	3,919	0.628	0.72
November	146,660	50,200	1,900	4,889	.783	.87
December	482,030	98,100	4,040	15,550	2.49	2.87
Calendar year 1934	2,251,440	98,100	1,130	6,168	.988	13.41
January	516,130	88,700	4,640	16,650	2.67	3.08
February	278,520	17,200	6,470	9,947	1.59	1.66
March	468,000	44,100	6,700	15,100	2.42	2.79
April	655,830	56,500	5,940	21,860	3.50	3.90
May	172,970	7,770	4,490	5,580	.894	1.03
June	131,120	8,600	2,060	4,371	.700	.78
July	126,910	7,020	2,440	4,094	.656	.76
August	114,520	6,740	2,140	3,694	.592	.68
September	411,900	110,000	2,000	13,730	2.20	2.46
Water year 1934-35	3,626,100	110,000	1,840	9,935	1.59	21.60

James River near Richmond, Va.

Location.- Water-stage recorder, lat. 37°34', long. 77°32', at Westham highway bridge 3 miles west of city limits of Richmond, Henrico County.
Drainage area.- 6,757 square miles.
Records available.- October 1934 to September 1935.
Extremes. - Maximum discharge during period, 127,000 second-feet Sept. 7 (gage height, 21.01 feet); minimum, 860 second-feet Oct. 31 (gage height, 3.38 feet); minimum daily discharge, 1,070 second-feet Oct. 29.
Remarks.- Records excellent except those for Jan. 28 to Feb. 2, Mar. 24 to Apr. 18, which are fair and were estimated on basis of records for station at Cartersville. Flow regulated by power plants above station. Gage-height record collected in cooperation with U. S. Weather Bureau. Records do not include flow of James River & Kanawha Canal, which diverts above station. Discharge measurements of canal flow are listed below.

Discharge measurements, in second-feet, of James River & Kanawha Canal near Richmond, Va.,1934-35

Nov. 22	708	Dec. 4	750	Mar. 14	888
Dec. 1	831	5	848	July 12	774
2	1,370	6	816	Sept.18	818

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 9 to Jan. 25

3.4	890	5.0	4,700	10.0	26,600
3.6	1,220	5.5	6,290	12.0	40,300
3.8	1,590	6.0	8,000	14.0	55,000
4.0	2,020	7.0	11,800	16.0	71,000
4.3	2,740	8.0	16,100	18.0	89,400
4.6	3,530	9.0	21,000	20.0	111,000

Table, Jan. 26 to Sept. 6

3.6	1,390	7.0	12,300	4.0	2,250
3.8	1,800	8.0	16,600	5.0	5,010
4.0	2,250	9.0	21,500	6.0	8,360
4.3	3,000	10.0	27,100	8.0	16,600
4.6	3,830	12.0	40,300	12.0	40,300
5.0	5,010	14.0	55,000	16.0	71,100
5.5	6,610	16.0	71,000	18.0	90,300
6.0	8,360	18.0	89,400	20.0	114,000

Table, Sept. 7-30

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	1,220	62,500	5,980	9,400	12,300	21,000	5,660	6,880	2,720	2,920	1,760
2	-	1,120	83,000	7,520	7,900	12,200	44,000	5,520	5,000	3,240	2,280	1,540
3	-	1,180	95,500	6,950	8,240	10,300	60,000	5,550	3,920	4,120	2,330	1,580
4	-	1,300	56,800	6,280	8,260	9,600	48,000	6,260	3,840	5,640	2,170	1,780
5	-	1,230	22,800	5,760	8,260	8,380	36,000	6,560	9,570	3,300	1,940	6,420
6	-	2,780	15,800	5,810	8,030	8,820	32,000	5,660	6,160	3,200	1,720	63,800
7	-	2,880	12,300	4,980	7,660	7,090	31,000	5,450	4,350	2,770	1,740	116,000
8	-	2,420	10,300	4,440	6,920	7,720	37,000	5,940	3,980	2,790	1,860	95,000
9	13,500	2,500	9,520	5,490	6,840	7,220	51,000	5,420	4,680	3,410	2,270	30,300
10	8,960	2,040	8,030	8,180	9,220	6,920	52,000	5,900	7,600	6,240	2,310	12,500
11	6,290	2,200	6,600	12,200	14,100	6,960	39,000	7,690	8,400	4,350	3,660	11,900
12	4,320	2,210	6,290	17,000	12,400	6,860	30,000	7,420	5,570	3,580	6,300	9,260
13	3,800	1,960	5,560	12,700	14,500	24,200	25,000	5,900	6,120	3,000	4,720	7,550
14	3,250	1,570	5,040	10,000	12,600	44,400	22,000	5,170	6,920	5,550	5,260	6,420
15	2,700	1,830	4,800	8,560	13,300	38,900	19,000	5,340	4,480	6,170	5,280	6,120
16	2,210	1,620	4,420	7,390	14,600	25,600	17,000	5,240	4,340	4,160	3,550	4,590
17	2,140	1,520	4,100	7,020	16,900	18,800	15,000	5,020	3,720	4,310	3,000	4,180
18	1,760	1,370	3,910	6,600	18,300	15,400	13,000	4,910	3,640	5,290	2,720	3,560
19	1,740	1,310	4,280	6,700	15,100	13,100	11,300	4,620	3,160	3,720	3,850	3,500
20	1,700	1,480	6,840	8,080	12,600	11,400	10,600	4,550	3,260	2,680	4,100	2,960
21	1,640	1,240	8,760	11,300	10,700	10,200	10,000	4,480	3,270	2,700	5,700	2,920
22	1,600	1,450	7,470	13,900	9,680	9,360	10,300	5,620	2,800	2,070	6,000	2,960
23	1,580	1,620	7,540	34,700	8,240	8,830	10,300	5,800	2,640	1,920	5,230	2,910
24	1,250	2,000	6,870	71,200	8,240	9,200	9,180	5,490	2,820	2,180	4,370	2,690
25	1,420	4,170	5,940	92,200	6,940	9,800	8,300	5,580	2,270	2,820	4,180	2,430
26	1,400	5,170	5,240	63,800	6,860	18,000	7,460	5,420	2,110	2,450	3,230	2,090
27	1,370	6,940	5,080	25,100	9,150	29,000	6,760	4,960	1,800	4,140	3,490	1,900
28	1,340	5,960	5,320	17,800	11,200	32,000	7,010	4,920	1,610	6,940	2,440	2,070
29	1,070	4,780	4,660	14,500	-	26,000	6,110	5,140	1,960	4,600	1,790	2,320
30	1,230	29,900	7,240	12,400	-	18,000	6,130	4,750	2,930	3,320	2,320	2,010
31	1,080	-	6,500	10,500	-	15,000	-	5,330	-	3,380	2,160	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October 9-31	67,350	13,500	1,070	2,928	0.433	0.37
November	98,970	29,900	1,120	3,299	.488	.54
December	499,010	95,500	3,910	16,100	2.38	2.74
Calendar year						
January	525,040	92,200	4,440	16,940	2.51	2.89
February	296,160	18,300	6,840	10,580	1.57	1.64
March	481,560	44,400	6,860	15,530	2.30	2.65
April	695,450	60,000	6,110	23,180	3.43	3.83
May	171,270	7,690	4,480	5,525	.818	.94
June	129,900	9,570	1,610	4,330	.641	.72
July	116,760	6,940	1,920	3,766	.557	.64
August	104,890	6,300	1,720	3,384	.501	.58
September	415,020	116,000	1,540	13,830	2.05	2.29
Water year						

Warm Spring at Warm Springs, Va.

Location.- Water-stage recorder, lat. 38°3'11", long. 79°46'52", just above V-shaped weir about 200 feet below Warm Spring, at Warm Springs, Bath County.

Records available.- June 1928 to September 1935.

Extremes.- Maximum mean daily discharge during year, 3.12 second-feet Apr. 1; minimum not determined.

1928-35: Maximum mean daily discharge, 5.45 second-feet Nov.18, 1929 (flow probably increased somewhat by local surface run-off); minimum, 1.35 second-feet Feb. 25, 26, 1931.

Remarks.- Records good except those for Oct. 1-25, Nov. 29 to Dec. 1, Jan. 21-23, Jan. 29 to Feb. 18, Feb. 26 to Mar. 1, Mar. 7-22, May 10, 11, Sept. 19, 20, which are fair and were estimated on basis of weather records and gage-height graph.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	0.93
1.1	1.32
1.2	1.79
1.3	2.35
1.4	3.00
1.5	3.76

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		1.70	1.90	1.91		2.45	3.12	2.88	2.93	2.62	2.51	2.38
2		1.66	1.92	1.92		2.46	2.88	3.02	2.93	2.70	2.52	2.36
3		1.60	1.88	1.92		2.44	2.82	2.91	2.90	2.67	2.52	2.37
4		1.75	1.89	1.92		2.44	2.78	2.80	2.82	2.70	2.54	2.44
5		1.64	1.92	1.92		2.44	2.74	2.86	2.78	2.70	2.56	2.56
6		1.60	1.94	1.91		2.52	2.77	2.87	2.78	2.69	2.48	2.40
7		1.61	1.94	1.92			2.88	2.92	2.86	2.76	2.52	2.37
8		1.60	1.94	1.90			2.96	2.94	2.88	2.78	2.52	2.42
9		1.62	1.94	2.08			2.92	2.86	2.76	2.76	2.47	2.41
10		1.60	1.94	2.08	2.45		2.86	2.90	2.73	2.76	2.50	2.44
11		1.58	1.92	2.01			2.80	2.95	2.74	2.66	2.56	2.40
12		1.58	1.94	1.94			2.88	3.02	2.69	2.66	2.52	2.39
13	1.70	1.56	1.94	1.95			2.91	2.96	2.72	2.62	2.50	2.37
14		1.59	1.95	1.94			2.81	2.92	2.74	2.63	2.51	2.39
15		1.65	1.94	1.96		2.60	2.82	2.97	2.83	2.62	2.46	2.44
16		1.70	1.96	1.95			2.84	2.79	2.87	2.64	2.48	2.48
17		1.71	1.96	2.02			2.82	2.86	2.74	2.58	2.50	2.48
18		1.66	1.97	2.08			2.84	2.94	2.70	2.62	2.51	2.38
19		1.60	2.01	2.04	2.38		2.77	2.96	2.67	2.62	2.50	2.40
20		1.61	2.02	2.04	2.36		2.80	2.94	2.64	2.58	2.48	2.40
21		1.62	2.00	2.20	2.37		2.82	2.84	2.70	2.58	2.44	2.40
22		1.68	2.00	2.40	2.38		2.82	2.90	2.65	2.52	2.48	2.42
23		1.80	1.98	2.50	2.36	2.64	2.84	2.84	2.64	2.56	2.54	2.46
24		1.74	1.90	2.66	2.36	2.74	2.76	2.86	2.60	2.62	2.50	2.42
25		1.63	1.86	2.64	2.42	2.92	2.63	2.88	2.62	2.59	2.49	2.36
26	1.65	1.64	1.92	2.66	2.45	2.84	2.77	2.82	2.69	2.54	2.40	2.36
27	1.70	1.64	1.95	2.62	2.45	2.76	2.80	2.82	2.76	2.54	2.40	2.36
28	1.70	1.68	1.97	2.58	2.45	2.76	2.82	2.90	2.71	2.52	2.41	2.32
29	1.71	1.70	1.90	2.50	-	2.76	2.96	2.93	2.61	2.54	2.40	2.36
30	1.81	1.80	1.89	2.50	-	2.67	2.89	2.86	2.62	2.53	2.40	2.34
31	1.96	-	1.88	2.50	-	3.02	-	2.94	-	2.48	2.42	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	53.03	1.96	-	1.71		
November	49.57	1.80	1.58	1.65		
December	60.05	2.02	1.86	1.94		
Calendar year 1934	697.24	2.32	-	1.91		
January	67.17	2.66	1.90	2.17		
February	68.06	-	-	2.43		
March	81.46	3.02	-	2.63		
April	85.33	3.12	2.74	2.84		
May	89.86	3.02	2.79	2.90		
June	82.31	2.93	2.60	2.74		
July	81.39	2.78	2.48	2.63		
August	77.04	2.56	2.40	2.49		
September	72.08	2.56	2.32	2.40		
Water year 1934-35	667.38	3.12	-	2.38		

Dunlap Creek near Covington, Va.

Location.- Chain gage, lat. 37°48', long. 80°3', at highway bridge 2 miles below Ogle Creek and 3 miles west of Covington, Alleghany County. Zero of gage is 1,294.21 feet above mean sea level.

Drainage area.- 166 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge observed during year, about 7,250 second-feet Jan. 23 (gage height, 9.70 feet); minimum, 21 second-feet Aug. 31, Sept. 2.
1928-35: Maximum observed discharge, that of Jan. 23, 1935; minimum, 8 second-feet Aug. 27, 28, 30, 1932 (gage height, 0.88 foot).

Remarks.- Records good.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct.1 to Jan. 23

1.0	16	3.0	504
1.2	36	3.5	752
1.4	61	4.0	1,040
1.6	90	5.0	1,760
1.8	124	6.0	2,670
2.0	166	7.0	3,780
2.3	244	8.0	5,000
2.6	340	9.0	6,300
		9.7	7,250

Table for Jan. 24 to Sept. 30

1.1	15	3.0	502
1.2	23	3.5	752
1.4	45	4.0	1,040
1.6	73	5.0	1,760
1.8	107	6.0	2,670
2.0	148	7.0	3,780
2.3	230	8.0	5,000
2.6	333		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	46	3,540	144	158	314	4,870	94	79	35	53	23
2	52	56	920	190	158	262	1,600	96	72	31	45	23
3	43	48	482	190	173	215	862	100	70	31	41	29
4	46	78	340	166	173	186	1,760	107	79	28	35	53
5	42	98	244	132	150	186	1,160	109	76	40	31	1,230
6	1,520	92	190	128	144	186	806	122	64	32	29	806
7	550	81	166	120	126	200	1,160	144	58	35	32	393
8	216	74	144	110	118	186	1,520	186	54	46	698	333
9	136	67	126	700	126	173	1,040	173	60	352	230	215
10	103	60	115	806	458	186	806	158	53	116	118	148
11	88	56	106	460	502	333	596	139	48	76	186	111
12	74	51	98	290	352	980	502	118	45	75	128	89
13	62	47	87	230	262	1,440	458	118	44	58	89	73
14	54	44	80	190	262	920	393	111	41	53	70	64
15	49	43	72	155	752	646	333	109	48	48	68	58
16	46	40	69	144	548	502	296	113	48	45	58	50
17	41	38	69	460	393	414	246	118	43	38	48	46
18	38	36	64	550	296	296	200	126	43	33	43	43
19	38	34	86	358	246	262	173	122	40	31	41	40
20	33	34	230	340	215	279	166	115	38	29	41	38
21	34	32	203	980	170	262	163	124	35	32	40	34
22	33	32	178	2,010	156	352	153	115	39	279	50	33
23	33	69	144	5,260	163	862	133	107	38	100	49	30
24	33	340	124	1,230	139	1,920	122	116	33	67	40	30
25	32	190	117	698	130	1,760	115	200	31	55	35	29
26	32	140	142	502	352	2,280	105	230	30	148	31	28
27	32	110	190	372	548	1,100	103	173	29	480	29	27
28	32	101	190	262	372	646	100	144	27	186	27	27
29	30	4,740	178	246	-	458	103	120	40	109	27	25
30	32	1,370	155	200	-	352	103	107	48	78	23	24
31	29	-	128	173	-	2,570	-	93	-	61	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,648	1,520	29	118	0.711	0.82
November	8,247	4,740	32	275	1.66	1.85
December	8,977	3,540	64	290	1.75	2.02
Calendar year 1934	52,288	4,740	12	143	.861	11.75
January	17,796	5,260	110	574	3.46	3.99
February	7,642	752	118	273	1.64	1.71
March	20,728	2,570	173	669	4.03	4.65
April	20,147	4,870	100	672	4.05	4.52
May	4,007	230	93	129	.777	.90
June	1,453	79	27	48.4	.292	.33
July	2,829	480	28	91.3	.550	.63
August	2,457	698	22	79.3	.478	.55
September	4,152	1,230	23	138	.831	.93
Water year 1934-35	102,083	5,260	22	280	1.69	22.90

Potts Creek near Covington, Va.

Location.- Chain gage, lat. 37°44', long. 80°2', at highway bridge a quarter of a mile above Hays Creek and 3 miles southwest of covington, Alleghany County. Zero of gage is 1,257.61 feet above mean sea level.

Drainage area.- 158 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge observed during year, about 9,710 second-feet Jan. 23 (gage height, 10.10 feet); minimum, 26 second-feet Aug. 30, 31, Sept. 1, 2 (gage height, 1.48 feet).
1928-35: Maximum observed discharge, that of Jan. 23, 1935; minimum, 13 second-feet Nov. 29, 1930 (gage height, 1.30 feet).

Remarks.- Records fair. Discharge estimated Oct. 7-10, Nov. 23-26, Dec. 4-17, Sept. 12, on basis of records for station on Dunlap Creek.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Jan. 22				Table for Jan. 23 to Sept. 30			
1.6	37	3.3	910	1.4	18	3.0	680
1.8	66	3.6	1,150	1.6	39	3.5	1,070
2.0	106	4.0	1,470	1.8	72	4.0	1,470
2.2	167	4.5	1,890	2.0	118	5.0	2,320
2.4	265	5.0	2,320	2.3	232	6.0	3,270
2.6	390	6.0	3,210	2.6	398	7.0	4,460
2.8	535	7.0	4,140			8.0	5,960
3.0	685						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	190	91	4,050	129	201	288	3,950	116	108	52	40	25
2	172	86	1,310	153	197	267	1,790	108	96	48	35	25
3	139	87	798	146	201	237	1,070	118	87	38	34	31
4	114	271	600	139	192	219	1,470	116	98	35	33	78
5	289	223	450	129	169	206	1,070	106	96	65	32	2,050
6	2,140	180	350	119	147	197	870	103	82	59	29	1,070
7	900	146	280	116	134	188	990	108	74	52	33	755
8	650	106	230	119	131	180	1,390	103	67	54	91	499
9	450	79	200	722	140	169	1,070	98	87	56	58	288
10	300	76	170	798	299	188	830	96	76	51	51	201
11	208	70	150	572	293	267	718	91	68	54	76	147
12	150	81	130	418	257	411	643	89	68	56	50	118
13	129	114	120	313	228	960	499	85	67	59	40	103
14	111	74	110	244	262	792	451	87	59	61	37	89
15	127	53	100	203	643	570	374	93	56	50	34	74
16	116	55	90	190	499	499	332	128	54	42	34	67
17	127	56	90	490	438	431	293	144	58	38	33	59
18	100	52	89	418	344	350	257	128	52	33	32	58
19	91	58	172	351	299	299	223	118	50	31	32	54
20	83	58	260	404	247	293	214	116	46	40	31	52
21	89	63	176	872	206	277	210	140	44	40	29	48
22	100	111	172	1,310	192	282	197	169	38	44	34	45
23	96	200	153	7,300	180	350	177	169	34	50	38	44
24	87	400	124	1,470	169	1,070	161	188	32	44	33	42
25	89	250	124	910	147	1,150	154	386	29	46	29	39
26	93	200	129	718	242	2,320	140	310	27	51	29	38
27	109	167	129	534	386	1,230	131	247	31	61	28	37
28	109	164	119	411	316	870	131	201	32	82	27	35
29	119	4,340	114	327	-	606	131	165	39	61	28	33
30	111	1,890	104	288	-	499	124	154	45	52	26	32
31	106	-	106	247	-	1,030	-	131	-	46	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,694	2,140	83	248	1.57	1.81
November	9,800	4,340	52	327	2.07	2.31
December	11,199	4,050	89	361	2.28	2.63
Calendar year 1934	61,011	4,340	15	167	1.06	14.36
January	20,560	7,300	116	663	4.20	4.84
February	7,159	643	131	256	1.62	1.69
March	16,675	2,320	169	538	3.41	3.93
April	20,060	3,950	124	669	4.23	4.72
May	4,411	386	85	142	.899	1.04
June	1,800	108	27	60.0	.380	.42
July	1,551	82	31	50.0	.316	.36
August	1,162	91	26	37.5	.237	.27
September	6,236	2,050	25	208	1.32	1.47
Water year 1934-35	108,307	7,300	25	297	1.88	25.49

Cowpasture River near Clifton Forge, Va.

Location.- Water-stage recorder, lat. 37°48', long. 79°46', at iron highway bridge 1½ miles above junction with Jackson River and 4 miles southeast of Clifton Forge, Alleghany County. Zero of gage is 1,006.93 feet above mean sea level. Prior to Oct. 27, 1934, chain gage at same site and datum.

Drainage area.- 456 square miles.

Records available.- May 1907 to August 1908, March 1925 to September 1935.

Average discharge.- 10 years (1925-35), 473 second-feet.

Extremes.- Maximum discharge during year, 13,700 second-feet Jan.23 (gage height, 13.76 feet); minimum, 76 second-feet Aug. 6 (gage height, 1.98 feet).
1907-8, 1925-35: Maximum discharge, that of Jan. 23, 1935; minimum, 38 second-feet Sept. 2, 1932 (gage height, 1.70 feet).
Maximum stage known, 20.8 feet in March 1913 (discharge, about 26,600 second-feet).

Remarks.- Records good except those affected by ice and those estimated, which are fair. Estimates based on partial gage-height graphs and on comparison of records for station at Barber.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Jan. 22					Table for Jan. 23 to Sept. 30				
2.0	78	3.3	568	7.0	3,730	2.0	79	3.0	438	5.0	1,740
2.2	124	3.6	748	8.0	4,840	2.2	128	3.3	594	6.0	2,660
2.4	180	4.0	1,000	10.0	7,240	2.4	190	3.6	770	7.0	3,730
2.6	248	4.5	1,350			2.6	262	4.0	1,020	8.0	4,950
2.8	326	5.0	1,740			2.8	344	4.5	1,360	9.0	6,270
3.0	414	6.0	2,660							10.0	7,670
										12.0	10,700

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	546	119	6,280	*490	*520	928	4,690	310	298	184	94	106
2	368	132	3,980	*520	488	800	3,510	274	251	232	90	104
3	252	135	1,700	*480	*520	693	2,040	278	225	177	94	112
4	196	197	1,140	*440	*520	606	2,090	353	244	152	101	491
5	177	343	862	377	*470	556	1,740	323	488	146	123	3,850
6	656	294	662	*370	*450	589	1,360	310	358	232	97	5,860
7	823	234	557	*370	*400	583	1,820	685	290	214	106	1,820
8	563	206	483	*380	*370	551	3,180	1,190	255	204	232	1,090
9	382	186	424	*920	390	493	2,560	770	298	187	229	722
10	290	168	373	1,620	1,190	473	2,000	623	323	180	244	524
11	244	154	334	1,140	1,860	617	1,740	535	255	149	984	400
12	212	146	†290	810	1,190	2,110	1,660	463	236	134	928	327
13	183	140	†260	*630	*1,000	5,470	1,620	424	381	123	443	274
14	163	132	†240	*540	*1,000	2,660	1,430	404	298	117	290	236
15	148	127	†230	*440	1,740	1,700	1,190	376	247	120	218	211
16	140	122	219	*400	1,580	1,260	992	376	218	125	184	184
17	132	119	219	*610	1,290	1,020	830	353	200	128	225	168
18	127	114	212	*960	*1,050	862	704	331	187	106	214	155
19	122	112	241	698	830	716	611	298	180	104	204	149
20	116	109	620	*750	716	652	556	286	164	123	214	149
21	112	106	674	*1,740	606	583	509	298	146	109	211	146
22	106	104	514	5,250	530	535	463	358	140	109	428	137
23	102	266	428	12,100	498	674	433	331	137	106	438	123
24	97	729	368	3,970	453	1,620	390	353	131	106	306	117
25	93	736	339	1,910	409	2,010	358	358	125	109	225	112
26	93	488	373	1,400	770	2,860	331	353	121	158	180	106
27	102	368	1,020	*1,100	1,820	1,740	310	315	117	384	155	104
28	93	318	868	*820	1,190	1,260	298	290	120	204	140	99
29	91	2,980	723	*710	-	1,090	294	270	131	143	134	97
30	93	3,400	*590	*640	-	895	290	266	278	112	123	94
31	91	-	*480	*550	-	2,320	-	315	-	99	112	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	6,913	823	91	223	0.489	0.56
November	12,784	3,400	104	426	.934	1.04
December	25,703	6,280	212	829	1.82	2.10
Calendar year 1934	135,939	6,280	47	372	.816	11.10
January	43,135	12,100	370	1,391	3.05	3.52
February	23,850	1,860	370	852	1.87	1.95
March	38,926	5,470	473	1,256	2.75	3.17
April	40,019	4,690	290	1,334	2.93	3.27
May	12,469	1,190	266	402	.882	1.02
June	6,841	488	117	228	.500	.56
July	4,776	384	99	154	.338	.39
August	7,766	984	90	251	.550	.63
September	18,067	5,860	94	602	1.32	1.47
Water year 1934-35	241,249	12,100	90	661	1.45	19.68

*Estimated.
†Affected by ice.

Craig Creek at Parr, Va.

Location.- Chain gage, lat. 37°39'55", long. 79°54'40", at Chesapeake & Ohio Railway bridge 600 feet from Parr, Botetourt County, and 12 miles above mouth. Zero of gage is 992.50 feet above mean sea level.

Drainage area.- 331 square miles.

Records available.- April 1925 to September 1935.

Average discharge.- 10 years, 374 second-feet.

Extremes.- Maximum discharge observed during year, 21,500 second-feet Jan. 23 (gage height, 15.85 feet); minimum, 45 second-feet Aug. 31 (gage height, 3.59 feet).
1925-35: Maximum observed discharge, that of Jan. 23, 1935; minimum, 29 second-feet Oct. 1, 5, 1930 (gage height, 3.42 feet).

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

3.6	46	6.5	1,650
3.8	73	7.0	2,200
4.0	110	7.5	2,830
4.3	189	8.0	3,520
4.6	300	9.0	5,020
5.0	488	10.0	6,800
5.5	790	12.0	11,100
6.0	1,180	14.0	16,200

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	342	98	7,400	230	436	488	5,520	220	174	61	73	46
2	216	104	3,240	300	412	462	4,700	206	154	61	66	49
3	168	124	1,550	365	412	436	2,320	199	143	58	61	67
4	149	124	1,020	342	412	388	2,440	199	171	54	56	119
5	154	136	790	300	365	365	2,570	186	180	82	51	3,800
6	1,270	165	595	280	342	388	1,970	183	149	94	48	4,550
7	3,100	146	514	280	300	365	2,830	189	128	73	54	1,550
8	940	138	436	260	280	365	4,250	189	119	76	87	790
9	568	131	388	540	280	342	2,700	177	159	183	108	540
10	412	122	342	2,440	365	342	1,860	165	177	260	83	412
11	342	115	321	1,180	540	436	1,360	159	138	136	90	321
12	300	110	280	828	488	655	1,100	154	119	104	87	253
13	242	106	253	625	436	2,080	940	154	115	88	67	209
14	203	102	242	540	595	1,550	790	159	106	90	58	171
15	177	100	230	462	1,360	1,270	688	162	96	87	53	154
16	159	94	213	412	1,100	980	625	177	92	75	51	136
17	143	90	196	655	865	828	540	177	102	68	53	119
18	133	87	189	828	688	655	488	171	90	60	52	108
19	124	87	216	755	595	568	436	159	96	58	53	102
20	115	87	342	720	514	540	412	159	83	64	61	96
21	110	83	412	1,100	462	488	388	186	73	83	67	88
22	106	85	365	3,800	436	488	365	253	73	76	64	82
23	102	128	321	16,200	412	625	342	245	70	80	87	76
24	94	1,270	280	3,950	388	2,320	300	242	64	70	159	72
25	94	595	280	1,970	342	2,570	280	342	64	73	90	70
26	96	436	280	1,360	365	6,050	260	436	61	68	73	67
27	92	342	260	1,020	514	2,960	249	388	58	106	64	64
28	83	300	242	790	514	1,750	253	321	57	124	57	61
29	83	7,200	238	655	-	1,180	249	260	58	115	51	61
30	80	4,700	238	568	-	902	238	230	58	98	48	58
31	83	-	220	488	-	1,100	-	196	-	83	46	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	10,280	3,100	80	332	1.00	1.15
November	17,405	7,200	83	580	1.75	1.95
December	21,893	7,400	189	706	2.13	2.46
Calendar year 1934	133,956	7,400	40	367	1.11	15.03
January	44,243	16,200	230	1,427	4.31	4.97
February	14,218	1,360	280	508	1.53	1.59
March	33,936	6,050	342	1,095	3.31	3.82
April	41,463	5,520	238	1,382	4.18	4.66
May	6,643	436	154	214	.647	.75
June	3,227	180	57	108	.326	.36
July	2,808	260	54	90.6	.274	.32
August	2,118	159	46	68.3	.206	.24
September	14,290	4,550	46	476	1.44	1.61
Water year 1934-35	212,524	16,200	46	582	1.76	23.88

Meadow Creek at Newcastle, Va.

Location.- Water-stage recorder, lat. 37°29'35", long. 80°6'35", 500 feet above Newcastle-Salem highway bridge and just outside town limits of Newcastle, Craig County.

Drainage area.- 13.8 square miles.

Records available.- September 1929 to September 1935.

Extremes.- Maximum discharge during year, 200 second-feet Jan. 23 (gage height, 3.60 feet); minimum, 2.6 second-feet Aug. 7, 13 (gage height, 1.05 feet).
1929-35: Maximum discharge, 242 second-feet Oct.2, 1929 (gage height, 3.64 feet); minimum, 0.8 second-foot Sept. 4, 1930 (gage height, 0.91 foot).

Remarks.- Records good except those for Feb. 10-15, 17-22, Aug. 16 to Sept. 2, which are fair and were estimated on basis of records for station on Johns Creek.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Jan. 23 and Sept. 6-30)

1.0	1.5	1.8	27
1.1	3.6	2.0	41
1.2	5.9	2.3	67
1.3	8.4	2.6	97
1.4	11	3.0	141
1.6	18	3.5	200

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	20	122	12	21	15	120	12	7.6	5.7	3.4	3.0
2	17	18	80	11	21	15	110	12	6.4	5.7	3.2	3.0
3	16	18	41	11	20	16	76	12	6.4	5.9	3.2	6.4
4	16	18	31	11	20	14	70	11	8.7	9.0	3.0	36
5	17	20	27	10	18	14	63	11	7.6	9.2	3.0	106
6	78	18	26	10	16	14	54	11	7.4	7.2	2.8	87
7	54	18	25	10	16	14	72	11	7.4	6.9	6.2	39
8	33	18	25	10	14	13	94	11	8.9	6.4	9.7	26
9	26	18	26	41	15	13	80	10	9.7	7.4	6.2	21
10	23	17	26	39	20	13	66	10	7.9	5.9	5.7	18
11	20	17	25	29	20	14	49	10	7.4	5.4	7.2	14
12	19	17	25	23	19	21	41	10	6.9	5.9	4.3	12
13	17	17	24	20	18	38	36	9.7	6.6	8.9	3.2	11
14	17	17	22	18	20	35	32	9.7	6.2	6.2	4.3	9.7
15	16	17	22	16	50	32	28	9.7	6.2	5.0	5.2	9.2
16	16	17	20	17	39	28	26	9.7	6.2	4.3		8.9
17	16	16	20	19	30	25	25	9.7	5.9	3.8		8.9
18	16	17	18	20	25	21	22	8.9	6.4	3.8	4.0	8.7
19	16	17	20	19	23	20	21	8.4	6.6	5.7		8.4
20	17	17	21	21	21	19	20	8.4	5.7	5.7		7.6
21	17	17	16	41	18	18	20	11	5.7	7.4		7.4
22	17	17	12	89	17	20	18	10	6.2	6.6		7.2
23	17	39	12	188	16	25	18	10	5.7	5.7		7.2
24	17	33	12	132	15	43	16	13	5.4	5.4		6.9
25	17	27	11	77	15	73	15	13	5.2	6.4		6.9
26	17	24	11	47	17	116	14	12	5.2	6.4	3.0	6.6
27	17	22	10	36	17	84	14	11	5.0	6.6		6.9
28	18	34	10	29	15	56	14	10	5.4	5.2		6.9
29	18	126	11	26	-	37	13	9.7	6.2	4.1		6.6
30	18	104	10	24	-	30	13	9.2	5.9	3.6		6.6
31	18	-	10	22	-	40	-	8.2	-	3.4		-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	659	78	16	21.3	1.54	1.78
November	795	126	16	26.5	1.92	2.14
December	771	122	10	24.9	1.80	2.08
Calendar year 1934	5,280.6	126	1.5	14.5	1.05	14.24
January	1,078	188	10	34.8	2.52	2.90
February	576	50	14	20.6	1.49	1.55
March	936	116	13	30.2	2.19	2.52
April	1,260	120	13	42.0	3.04	3.39
May	322.3	13	8.2	10.4	.754	.87
June	198.0	9.7	5.0	6.60	.478	.53
July	184.8	9.2	3.4	5.96	.432	.50
August	123.6	9.7	-	3.99	.289	.33
September	513.0	106	3.0	17.1	1.24	1.38
Water year 1934-35	7,416.7	188	-	20.3	1.47	19.97

Johns Creek at Newcastle, Va.

Location.- Chain gage, lat. 37°30', long. 80°6', at highway bridge 500 feet east of town limits of Newcastle, Craig County, and a quarter of a mile above mouth.

Drainage area.- 106 square miles.

Records available.- April 1926 to September 1935.

Extremes.- Maximum discharge observed during year, 6,000 second-feet Jan. 23 (gage height, 10.80 feet); minimum, 12 second-feet Aug. 29, 31, Sept. 1.
1926-35: Maximum observed discharge, that of Jan. 23, 1935; 7 second-feet Aug. 11, Sept. 3, 6, 7, 1930 (gage height, 2.26 feet).

Remarks.- Records good. Discharge estimated Jan. 24.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.5	11	5.0	317
2.6	14	5.5	455
2.8	22	6.0	650
3.0	33	6.5	900
3.3	54	7.0	1,230
3.6	84	7.5	1,650
4.0	137	8.0	2,150
4.5	218	9.0	3,370
		10.0	4,780

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	152	45	2,730	130	116	152	2,730	68	61	16	31	12
2	102	44	845	160	130	152	1,090	63	52	16	27	13
3	73	37	420	137	130	137	650	61	49	15	23	16
4	56	55	317	123	116	130	695	56	62	16	21	201
5	90	58	236	96	102	123	605	56	54	21	20	1,940
6	1,090	53	201	109	96	116	650	58	43	21	19	1,940
7	740	49	160	109	84	116	1,160	60	38	21	26	340
8	340	46	137	96	78	109	1,390	61	44	19	42	218
9	184	43	123	236	96	102	695	53	58	56	39	168
10	152	40	109	490	168	96	490	50	43	96	34	109
11	144	39	102	274	168	176	365	48	35	54	26	84
12	102	39	96	254	152	218	340	47	33	45	21	68
13	76	38	90	201	152	455	274	49	32	42	18	56
14	63	35	90	168	168	420	236	49	29	41	17	48
15	59	34	73	152	455	340	218	58	27	32	17	41
16	52	33	61	176	317	274	201	63	28	28	19	38
17	48	31	59	340	274	236	176	68	27	23	17	34
18	45	30	58	317	218	201	152	68	26	24	18	32
19	40	28	84	254	184	184	137	63	24	36	17	31
20	39	28	201	274	168	176	123	63	22	39	20	26
21	37	28	137	390	152	160	116	96	20	34	20	24
22	35	28	123	1,470	137	201	109	116	22	33	21	22
23	32	102	102	3,500	123	490	96	96	22	31	19	21
24	32	340	90	2,000	109	1,020	90	123	21	29	17	20
25	32	201	90	490	102	1,160	84	254	19	37	15	20
26	31	144	90	365	109	1,740	78	201	18	48	14	18
27	28	123	84	274	176	845	73	152	17	66	14	18
28	27	365	84	227	168	490	78	123	16	61	13	18
29	27	3,640	84	201	-	365	73	109	16	49	12	18
30	26	1,560	84	168	-	295	73	84	15	40	13	17
31	26	-	73	137	-	565	-	73	-	34	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,984	1,090	26	129	1.22	1.41
November	7,336	3,640	28	245	2.31	2.58
December	7,233	2,730	58	233	2.20	2.54
Calendar year 1934	45,066	3,640	-	123	1.16	15.83
January	13,318	3,500	96	430	4.06	4.68
February	4,446	455	78	159	1.50	1.56
March	11,244	1,740	96	363	3.42	3.94
April	13,247	2,730	73	442	4.17	4.65
May	2,589	254	47	83.5	.788	.91
June	973	62	15	32.4	.306	.34
July	1,125	96	15	36.3	.342	.39
August	642	42	12	20.7	.195	.22
September	5,611	1,940	12	187	1.76	1.96
Water year 1934-35	71,750	3,640	12	197	1.86	25.18

Catawba Creek near Fincastle, Va.

Location.- Chain gage, lat. 37°33', long. 79°50', at highway bridge at Kyles Mills, 4 miles northeast of Fincastle, Botetourt County. Zero of gage is 994.05 feet above mean sea level.

Drainage area.- 104 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge observed during year, about 6,000 second-feet Jan. 23 (gage height, 18.02 feet); minimum, 14 second-feet Aug. 6.
1928-35: Maximum observed discharge, that of Jan. 23, 1935; minimum, 4 second-feet Sept. 30, Oct. 4-10, 24, 25, 1933.

Remarks.- Records fair.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Nov. 29				Table for Nov. 30 to Jan. 23				Table for Jan. 24 to Sept. 30			
2.0	26	4.0	240	2.4	33	6.0	544	1.6	13	3.5	177
2.2	39	5.0	381	2.6	48	8.0	930	1.8	21	4.0	242
2.4	55	6.0	544	2.8	66	10.0	1,420	2.0	31	5.0	381
2.6	73	8.0	930	3.0	87	12.0	2,120	2.3	52	6.0	544
2.8	93	10.0	1,420	3.5	150	14.0	3,120	2.6	78	8.0	930
3.0	115	12.0	2,120	4.0	220	16.0	4,450	3.0	119	10.0	1,420
3.5	175	12.5	2,320	5.0	374	18.0	6,000				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	38	1,450	66	165	114	1,420	88	48	21	21	16
2	32	38	472	66	165	114	1,100	83	48	19	22	21
3	33	36	295	71	153	114	1,050	78	48	18	22	40
4	33	36	178	76	147	114	870	124	56	18	19	190
5	39	35	150	66	141	103	526	98	45	52	18	930
6	53	36	130	66	141	88	458	74	43	33	15	652
7	46	33	118	71	141	103	580	74	38	32	24	562
8	38	30	118	82	124	114	670	69	153	56	40	352
9	34	30	111	790	136	103	634	60	56	64	30	165
10	39	30	105	472	216	108	490	60	44	98	22	78
11	45	29	99	178	165	124	381	60	39	40	28	52
12	41	28	82	124	165	242	352	52	38	29	23	48
13	41	30	66	118	190	411	338	44	36	22	21	43
14	41	31	51	124	255	366	255	43	35	52	19	40
15	41	31	39	118	229	310	229	60	35	23	20	37
16	38	30	51	220	190	242	216	64	36	20	22	38
17	39	30	56	220	177	216	190	52	35	21	19	38
18	38	30	54	157	165	203	177	52	32	22	19	32
19	36	29	51	137	153	203	165	48	30	21	21	30
20	33	29	76	250	153	190	147	56	29	23	25	28
21	36	29	76	326	153	177	136	64	28	22	22	26
22	38	30	82	544	147	124	130	60	44	24	20	28
23	37	508	82	5,890	141	216	119	52	34	22	28	26
24	39	188	76	1,220	130	268	119	98	32	22	22	26
25	38	151	82	526	124	830	108	64	28	22	22	26
26	33	104	76	324	124	1,030	103	52	26	22	21	24
27	32	110	71	310	119	598	98	56	26	56	21	23
28	37	295	71	296	119	381	98	56	25	32	19	22
29	39	2,280	66	229	-	366	98	56	22	64	17	26
30	37	1,600	71	165	-	338	93	48	22	20	16	30
31	38	-	66	165	-	544	-	48	-	19	15	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,178	53	32	38.0	0.365	0.42
November	5,934	2,280	28	198	1.90	2.12
December	4,571	1,450	39	147	1.41	1.63
Calendar year 1934	30,970	2,280	8	84.8	.815	11.08
January	11,467	3,890	66	370	3.56	4.10
February	4,428	255	119	158	1.52	1.58
March	8,454	1,030	88	273	2.62	3.02
April	11,350	1,420	93	378	3.63	4.05
May	1,993	124	43	64.3	.618	.71
June	1,214	153	22	40.5	.389	.43
July	1,009	98	18	32.5	.312	.36
August	673	40	15	21.7	.209	.24
September	3,649	930	16	122	1.17	1.30
Water year 1934-35	55,920	3,890	15	153	1.47	19.96

Calfpasture River at Goshen, Va.

(Formerly North River at Goshen, Va.)

Location.- Chain gage, lat. 37°59'10", long. 79°29'38", at highway bridge at Goshen, Rockbridge County, 500 feet below mouth of Mill Creek. Zero of gage is 1,381.69 feet above mean sea level.

Drainage area.- 190 square miles.

Records available.- March 1925 to September 1935.

Average discharge.- 10 years, 204 second-feet.

Extremes.- Maximum discharge observed during year, about 7,150 second-feet Jan. 23 (gage height, 9.10 feet); minimum, 18 second-feet Oct. 27-31, Nov. 1.
1925-35: Maximum observed discharge, about 8,370 second-feet(revised) Oct. 17,1932 (gage height, 9.75 feet); minimum, 8 second-feet July 22, 1926, and numerous days in September and October 1930, September and October 1932, and July 1934.

Remarks.- Records good.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Jan. 22				Table for Jan. 23 to Sept. 30			
1.8	18	3.0	510	1.7	19	2.8	400
2.0	51	3.5	810	1.8	30	3.0	510
2.2	109	4.0	1,150	2.0	66	3.5	810
2.4	194	5.0	1,930	2.2	124	4.0	1,150
2.6	296	6.0	2,920	2.4	202	5.0	1,930
2.8	400	7.0	4,080	2.6	297	6.0	2,920
		8.0	5,350			7.0	4,080
						8.0	5,450

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	149	22	4,570	209	190	510	2,020	95	108	52	21	26
2	106	32	1,840	209	169	400	1,600	87	89	43	19	23
3	77	28	970	194	211	338	1,080	98	84	35	23	23
4	64	31	840	180	258	282	940	108	82	30	21	154
5	56	74	540	167	243	277	780	105	79	32	20	2,700
6	149	83	265	149	234	272	660	111	64	46	19	2,590
7	239	80	209	129	198	248	870	128	58	46	41	840
8	154	69	180	125	186	225	1,600	248	54	46	46	428
9	117	61	158	348	198	207	1,290	248	108	44	48	277
10	99	56	133	940	1,150	198	1,290	216	89	38	43	186
11	83	51	117	600	1,080	248	1,360	186	60	35	570	135
12	69	47	74	400	690	660	1,150	157	71	29	268	102
13	59	43	69	312	482	2,590	1,080	150	105	29	124	82
14	47	42	72	254	428	1,360	1,010	135	87	32	76	69
15	52	38	69	204	870	870	810	128	76	27	56	58
16	38	34	67	185	780	630	570	128	64	24	50	48
17	32	32	67	224	630	482	374	114	56	21	48	41
18	32	32	61	343	482	374	302	102	52	21	44	38
19	29	29	80	301	374	292	248	92	48	23	43	36
20	28	29	312	317	317	302	216	105	40	21	44	36
21	26	28	260	720	263	239	202	102	38	22	292	32
22	24	26	224	2,920	234	220	186	95	36	29	333	27
23	22	38	176	5,290	216	216	154	98	35	26	268	26
24	21	239	154	1,680	177	510	135	108	30	26	142	23
25	21	254	137	940	161	940	121	102	28	29	89	23
26	21	172	172	690	400	1,290	108	89	26	41	62	21
27	19	141	400	455	1,010	810	102	84	23	44	48	21
28	18	125	348	338	660	600	98	79	21	33	41	21
29	18	1,360	322	317	-	455	98	76	40	29	35	20
30	18	1,600	254	239	-	374	105	111	43	26	30	19
31	18	-	214	198	-	840	-	139	-	23	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,895	239	18	61.1	0.322	0.37
November	4,896	1,600	22	163	.858	.96
December	13,254	4,570	61	428	2.25	2.59
Calendar year 1934	58,859	4,570	8	161	.847	11.51
January	19,577	5,290	125	632	3.33	3.84
February	12,291	1,150	161	439	2.31	2.40
March	17,259	2,590	198	557	2.93	3.38
April	20,559	2,020	98	685	3.61	4.03
May	3,824	248	76	123	.647	.75
June	1,794	108	21	59.8	.315	.35
July	1,002	52	21	32.3	.170	.20
August	2,992	570	19	96.5	.508	.59
September	8,125	2,700	19	271	1.43	1.60
Water year 1934-35	107,468	5,290	18	294	1.55	21.06

North River at Rockbridge Baths, Va.

Location.- Water-stage recorder, lat. 37°54'26", long. 79°25'20", 700 feet above highway bridge at Rockbridge Baths, Rockbridge County, and 1 mile above Hays Creek (revised). Zero of gage is 1,100.33 feet above mean sea level.

Drainage area.- 329 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, about 11,500 second-feet Jan. 23 (gage height, 10.08 feet); minimum, 32 second-feet Aug. 7 (gage height, 1.16 feet). 1928-35: Maximum discharge, that of Jan. 23, 1935, minimum, 11 second-feet Nov. 28, 1930 (gage height, 0.76 foot).

Remarks.- Records excellent. Discharge estimated Mar. 23-27.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	36	3.5	1,030
1.4	68	4.0	1,400
1.6	112	4.5	1,830
1.8	166	5.0	2,340
2.0	228	6.0	3,540
2.3	342	7.0	5,000
2.6	486	8.0	6,720
3.0	700	9.0	8,760

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	193	57	6,180	351	360	718	3,540	187	178	117	40	50
2	141	74	3,150	356	317	633	2,670	178	144	83	42	47
3	110	61	1,360	338	402	548	1,740	187	128	63	42	52
4	89	107	890	308	481	471	1,650	228	133	55	40	395
5	85	149	628	248	456	461	1,400	199	133	59	37	4,220
6	320	135	486	248	426	461	1,170	209	110	100	36	4,610
7	412	122	398	242	356	436	1,600	338	98	83	80	1,470
8	273	110	338	235	338	398	2,850	471	96	74	87	890
9	202	100	289	709	356	356	2,180	402	205	87	83	574
10	160	91	255	1,280	1,260	342	2,030	360	146	72	78	388
11	135	87	225	890	1,480	431	1,930	313	115	63	935	285
12	110	81	190	639	960	1,400	1,700	273	112	52	456	222
13	96	74	190	507	718	3,950	1,560	255	269	59	222	181
14	85	70	172	426	666	2,030	1,280	242	169	66	146	155
15	74	64	149	347	1,200	1,320	995	225	138	49	112	133
16	70	63	144	313	1,060	995	780	222	112	47	94	117
17	64	59	144	388	890	799	633	215	98	39	85	103
18	61	57	133	612	706	633	528	187	89	42	85	94
19	57	54	188	528	595	538	451	169	81	39	78	87
20	54	52	522	548	507	481	398	160	70	36	83	85
21	52	50	451	1,380	426	422	370	190	64	42	395	78
22	46	50	374	5,180	383	379	356	187	63	57	379	68
23	44	124	308	8,220	360	390	296	172	59	49	393	63
24	43	398	270	2,850	317	780	270	172	52	39	231	57
25	44	356	248	1,600	285	1,350	245	184	47	63	155	55
26	44	259	300	1,170	519	1,900	222	172	47	109	115	52
27	42	212	528	858	1,280	1,300	209	155	42	142	96	50
28	39	187	517	601	890	925	206	144	42	74	83	50
29	39	2,210	481	569	-	742	202	130	59	63	68	46
30	40	2,620	393	456	-	612	202	133	115	50	61	43
31	40	-	325	370	-	1,460	-	212	-	42	54	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,264	412	39	105	0.319	0.37
November	8,133	2,620	50	271	.824	.92
December	20,226	6,180	133	652	1.98	2.28
Calendar year 1934	96,052	6,180	21	263	.799	10.85
January	32,767	8,210	235	1,057	3.21	3.70
February	17,994	1,480	285	643	1.95	2.03
March	27,661	3,950	342	892	2.71	3.12
April	33,663	3,540	202	1,122	3.41	3.80
May	6,871	471	130	222	.675	.78
June	3,214	269	42	107	.325	.36
July	2,015	142	36	65.0	.198	.23
August	4,891	935	36	158	.480	.55
September	14,720	4,610	43	491	1.49	1.66
Water year 1934-35	175,419	8,210	36	481	1.46	19.80

North River near Lexington, Va.

Location.- Water-stage recorder, lat. 37°48'49", long. 79°26'42", 300 yards above Lime Kiln highway bridge and 2½ miles above Lexington, Rockbridge County. Zero of gage is 906.56 feet above mean sea level.

Drainage area.- 487 square miles.

Records available.- August 1925 to September 1935.

Extremes.- Maximum discharge during year, 13,800 second-feet Dec. 1 (gage height, 14.29 feet); minimum, 71 second-feet Oct. 31 (gage height, 2.13 feet).
1925-35: Maximum discharge, that of Dec. 1, 1934; minimum, 34 second-feet Sept. 6, 1930, and Sept. 18, 1932.

Remarks.- Records good except those for Jan. 15-29, Jan. 31 to Feb. 3, which are fair and were estimated on basis of records for station at Rockbridge Baths.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.0	50	5.0	1,360
2.2	84	5.5	1,750
2.4	126	6.0	2,210
2.6	176	7.0	3,290
2.8	236	8.0	4,510
3.0	306	9.0	5,810
3.3	424	10.0	7,200
3.6	556	11.0	8,650
4.0	750	12.0	10,200
4.5	1,030	13.0	11,800

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	284	92	10,600	432	500	940	4,950	340	274	210	102	106
2	201	111	5,130	458	480	828	3,890	321	233	160	98	104
3	158	98	2,410	441	551	725	2,730	336	210	140	106	106
4	133	117	1,550	412	700	650	2,780	380	214	119	100	856
5	117	193	1,030	340	675	602	2,410	348	217	117	96	6,780
6	704	163	775	333	626	626	1,980	336	198	171	92	7,230
7	675	145	650	336	556	597	2,460	424	182	150	241	2,950
8	404	133	565	325	528	565	4,010	626	182	140	182	1,980
9	281	126	479	827	533	515	3,410	551	314	202	168	1,150
10	223	122	428	1,550	1,410	497	2,950	506	267	143	148	800
11	184	117	384	1,150	1,800	597	2,680	453	201	126	1,200	602
12	160	111	317	855	1,260	1,670	2,410	404	187	113	675	497
13	138	106	321	675	970	5,290	2,210	380	466	125	364	412
14	131	98	292	579	910	3,060	1,840	364	274	160	298	352
15	122	92	260	460	1,510	1,980	1,470	344	223	117	226	299
16	124	90	256	420	1,400	1,470	1,150	340	193	134	179	267
17	115	88	246	520	1,260	1,150	970	329	179	135	176	246
18	111	88	233	820	940	940	828	295	168	104	158	230
19	104	86	295	700	855	800	725	267	160	104	155	217
20	98	86	650	730	725	725	675	256	145	100	160	204
21	94	86	602	1,850	626	626	626	281	138	138	394	198
22	90	86	524	6,600	574	584	602	292	138	148	501	184
23	90	170	437	10,000	547	626	528	267	131	115	506	173
24	86	489	384	3,800	497	1,060	479	267	124	104	336	163
25	88	466	356	2,140	453	1,700	445	270	119	156	233	160
26	88	352	384	1,560	595	2,510	404	260	115	223	184	153
27	90	292	597	1,150	1,510	1,840	380	250	111	256	160	145
28	84	267	626	800	1,120	1,360	368	230	108	168	143	143
29	82	2,700	602	760	-	1,090	360	214	136	126	131	140
30	77	3,860	515	675	-	910	360	217	160	119	119	138
31	75	-	428	520	-	2,140	-	284	-	108	111	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,411	704	75	175	0.359	0.41
November	11,030	3,860	86	368	.756	.84
December	32,326	10,600	233	1,043	2.14	2.47
Calendar year 1934	139,420	10,600	49	382	.784	10.66
January	42,218	10,000	325	1,362	2.80	3.23
February	24,110	1,800	453	861	1.77	1.84
March	38,673	5,290	497	1,248	2.56	2.95
April	51,080	4,950	360	1,703	3.50	3.90
May	10,432	626	214	337	.692	.80
June	5,767	466	108	192	.394	.44
July	4,431	256	100	143	.294	.34
August	7,742	1,200	92	250	.513	.59
September	26,985	7,230	104	900	1.85	2.06
Water year 1934-35	260,205	10,600	75	713	1.46	19.87

Kerrs Creek near Lexington, Va.

Location.- Chain gage, lat. 37°49'33", long. 79°26'28", at highway bridge 3½ miles northwest of Lexington, Rockbridge County, and a quarter of a mile above mouth. Zero of gage is 972.04 feet above mean sea level.

Drainage area.- 34 square miles.

Records available.- January 1927 to September 1935 (fragmentary prior to August 1930).

Extremes.- Maximum discharge observed during year, 895 second-feet Nov. 29, Apr. 1 (gage height, 7.0 feet); minimum, 8 second-feet several times during October and November (gage height, 3.50 feet).

1927-35: Maximum observed discharge, 1,700 second-feet Apr. 16, 1933 (gage height, 8.75 feet); minimum, 4 second-feet numerous days in August and September 1932 and Sept. 12, 1934.

Remarks.- Records fair.

Rating curves, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Apr. 1 and June 10 to Sept. 30

3.4	4	5.0	200
3.6	12	5.5	339
3.8	25	6.0	506
4.0	40	6.5	735
4.3	72	7.0	895
4.6	118		

Table for Apr. 2 to June 9

3.6	10
3.8	22
4.0	38
4.3	70
4.6	118
5.0	200
5.5	339
6.0	506

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	18	579	26	40	38	656	25	16	14	12	9
2	12	12	98	34	36	38	212	25	15	13	12	9
3	10	10	70	28	47	35	188	41	17	18	10	10
4	9	14	44	25	44	34	294	31	16	12	12	13
5	15	12	48	23	42	39	177	27	14	12	10	579
6	266	11	42	24	38	34	127	25	15	12	10	280
7	38	10	37	24	37	35	212	31	14	12	20	177
8	26	9	35	22	36	34	386	25	17	12	14	127
9	20	9	31	92	36	31	238	23	23	12	12	60
10	19	10	29	89	104	33	177	23	19	10	12	46
11	14	11	28	70	61	39	136	23	18	11	18	38
12	12	9	28	44	50	127	127	23	17	11	10	32
13	12	9	26	40	47	370	111	23	18	13	10	26
14	12	10	24	34	73	146	91	23	16	11	9	26
15	12	9	22	32	88	103	76	23	15	11	9	21
16	11	9	21	31	68	82	65	22	13	12	9	23
17	11	10	21	34	61	71	63	23	13	12	9	21
18	10	9	19	39	50	54	54	21	13	12	9	21
19	10	9	47	35	46	52	49	20	13	10	10	19
20	10	8	40	42	44	48	46	20	13	10	20	19
21	10	9	31	166	35	44	46	22	13	12	19	19
22	10	10	28	386	34	44	40	20	13	15	12	17
23	9	70	24	695	38	61	35	20	13	16	20	15
24	9	136	24	252	36	64	35	18	13	15	14	17
25	10	25	23	118	34	127	32	19	13	36	13	15
26	10	20	26	98	39	166	29	19	12	17	10	15
27	8	18	24	72	47	106	28	15	12	18	10	15
28	8	23	24	51	31	88	30	15	15	12	10	15
29	10	617	26	49	-	66	31	14	16	12	9	14
30	10	156	26	40	-	61	28	17	15	12	9	14
31	10	-	25	44	-	506	-	16	-	12	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	645	266	8	20.8	0.612	0.71
November	1,292	617	8	43.1	1.27	1.42
December	1,570	579	19	50.6	1.49	1.72
Calendar year 1934	10,181	617	5	27.9	.821	11.16
January	2,759	695	22	89.0	2.62	3.02
February	1,342	104	31	47.9	1.41	1.47
March	2,776	506	31	89.5	2.63	3.03
April	3,819	656	28	127	3.74	4.17
May	692	41	14	22.3	.656	.76
June	450	23	12	15.0	.441	.49
July	417	36	10	13.5	.397	.46
August	373	20	9	12.0	.353	.41
September	1,712	579	9	57.1	1.68	1.87
Water year 1934-35	17,847	695	8	48.9	1.44	19.53

Tye River at Roseland, Va.

Location.- Chain gage, lat. 37°45', long. 78°59', at highway bridge three-quarters of a mile southwest of Roseland, Nelson County, and three-quarters of a mile above Hat Creek. Zero of gage is 655.78 feet above mean sea level.

Drainage area.- 68 square miles.

Records available.- January 1927 to September 1935.

Extremes.- Maximum discharge observed during year, 2,900 second-feet Dec. 1 (gage height, 8.20 feet); minimum, 28 second-feet June 28, Aug. 5, 6 (gage height, 3.28 feet).

1927-35: Maximum observed discharge, about 6,000 second-feet, revised, Sept. 16, 1934 (gage height, 10.02 feet, revised, from flood marks); minimum, 2 second-feet Sept. 30, Oct. 1, 1930.

Remarks.- Records good.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Sept. 5				Table for Sept. 6-30			
3.2	21	4.6	338	3.4	32	4.6	318
3.4	40	5.0	510	3.6	57	5.0	490
3.6	67	5.5	760	3.8	90	5.5	755
3.8	103	6.0	1,040	4.0	130	6.0	1,040
4.0	145	7.0	1,660	4.3	210	6.7	1,470
4.3	230	8.0	2,640				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	119	60	2,900	134	158	134	656	99	50	127	40	67
2	99	42	1,540	107	145	134	558	92	46	55	35	60
3	94	38	982	113	158	123	510	94	46	38	46	81
4	84	632	706	99	134	113	558	127	55	32	34	103
5	94	192	510	88	123	127	487	103	45	34	29	1,340
6	145	145	420	107	123	119	420	113	46	42	29	1,470
7	127	119	338	103	113	119	464	103	42	40	107	755
8	107	99	282	113	107	103	558	94	40	127	64	490
9	99	88	230	300	119	103	510	94	103	52	64	379
10	94	84	198	230	282	113	467	88	64	70	50	280
11	84	81	187	230	264	165	464	84	42	50	145	210
12	70	70	158	192	176	924	420	84	46	50	94	175
13	64	67	150	165	165	814	378	84	84	42	70	149
14	60	67	141	165	184	656	338	88	52	60	176	130
15	60	64	119	141	204	464	300	88	50	42	113	113
16	55	55	113	127	204	378	264	81	46	38	76	100
17	52	52	107	145	230	264	230	81	42	67	94	90
18	52	52	107	134	198	230	204	67	40	50	184	86
19	50	50	420	123	192	204	192	60	42	50	198	81
20	46	46	247	141	170	184	184	64	42	40	338	72
21	46	46	192	230	150	170	176	107	38	38	358	64
22	46	46	170	420	145	158	165	76	46	103	264	60
23	42	94	150	1,100	145	165	145	64	35	64	198	57
24	40	119	145	814	123	170	134	60	35	50	158	57
25	40	99	134	534	123	264	123	55	34	50	127	50
26	40	94	145	420	150	264	119	60	32	70	107	50
27	40	103	123	338	150	230	107	52	30	64	94	47
28	40	119	119	230	127	230	119	52	28	50	84	47
29	40	1,840	127	230	-	198	103	50	64	55	70	44
30	40	1,680	113	170	-	184	107	67	88	46	70	44
31	40	-	103	184	-	282	-	55	-	42	64	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,109	145	40	68.0	1.00	1.15
November	6,343	1,840	38	211	3.10	3.46
December	11,378	2,900	103	367	5.40	6.23
Calendar year 1934	47,605	2,900	17	130	1.91	26.03
January	7,627	1,100	88	246	3.62	4.17
February	4,562	282	107	163	2.40	2.50
March	7,786	924	103	251	3.69	4.25
April	9,480	656	103	316	4.65	5.19
May	2,486	127	50	80.2	1.18	1.36
June	1,453	103	28	48.4	.712	.79
July	1,738	127	32	56.1	.825	.95
August	3,580	358	29	115	1.69	1.95
September	6,751	1,470	44	225	3.31	3.69
Water year 1934-35	65,293	2,900	28	179	2.63	35.69

Hardware River near Scottsville, Va.

Location.- Chain gage, lat. 37°50', long. 78°29', at bridge on Woodridge-Scottsville highway 3 miles north of Scottsville, Albemarle County, and 11½ miles above mouth (revised). Zero of gage is 308.50 feet above mean sea level.

Drainage area.- 104 square miles.

Records available.- May 1925 to September 1935.

Extremes.- Maximum discharge observed during year, 6,150 second-feet Sept. 5 or 6 (gage height, 19.6 feet, from flood marks); minimum, 27 second-feet Oct. 25 (gage height, 1.78 feet).
1925-35: Maximum, that of Sept. 5 or 6, 1935; minimum discharge, 1.5 second-feet Sept. 2, 22, 1932 (gage height, 1.20 feet).

Remarks.- Records fair. Discharge estimated Oct. 1, July 7, 8, Sept. 5, 6. Low-water flow regulated by dam and gristmill above station.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Dec. 1				Table for Dec. 2 to Sept. 5 (Shifting-control method used Sept. 7-30)			
1.8	28	5.0	400	2.0	57	5.0	430
2.0	41	6.0	556	2.2	74	6.0	584
2.3	64	7.0	734	2.4	93	7.0	752
2.6	91	8.0	938	2.6	113	8.0	940
3.0	133	9.0	1,170	2.8	135	9.0	1,170
3.5	192	10.0	1,450	3.0	159	10.0	1,450
4.0	257	11.0	1,800	3.5	222	11.0	1,800
				4.0	288	12.0	2,220
						14.0	3,240

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	85	35	1,620	147	171	153	632	124	93	61	71	65
2	82	33	584	130	159	147	460	113	78	288	74	65
3	52	36	316	113	171	135	288	118	74	248	113	54
4	44	44	261	103	171	130	302	124	108	103	78	183
5	44	44	248	93	171	130	316	118	88	103	70	1,000
6	60	42	222	98	171	130	344	113	78	113	70	3,000
7	60	40	196	103	159	141	600	118	78	150	108	392
8	47	40	196	103	153	135	960	113	78	350	103	325
9	47	38	183	153	147	124	752	108	98	103	74	263
10	47	40	171	147	209	124	400	103	147	98	70	207
11	44	40	159	130	261	118	372	103	103	78	171	194
12	42	40	147	113	235	358	316	103	88	74	118	169
13	40	37	141	108	209	1,450	274	103	171	78	74	157
14	43	35	135	103	196	330	248	103	130	98	70	130
15	40	35	135	103	209	248	222	103	153	88	70	124
16	40	35	135	103	222	222	209	103	113	113	65	119
17	40	36	135	118	222	196	196	98	98	982	65	109
18	34	35	135	118	209	183	183	88	88	288	113	104
19	35	37	159	130	196	171	171	88	78	135	108	104
20	36	33	248	153	171	171	159	88	74	118	113	89
21	35	32	209	222	159	159	159	93	70	108	141	84
22	33	33	171	274	153	153	159	108	74	103	124	84
23	31	38	147	316	147	147	159	108	70	103	108	75
24	29	144	135	344	141	147	147	103	65	108	93	75
25	27	55	130	316	135	171	141	93	65	93	83	75
26	30	47	124	274	147	209	135	93	65	78	78	75
27	33	44	130	222	274	183	135	88	57	103	74	70
28	35	65	124	209	159	159	135	83	54	93	74	66
29	32	144	118	196	-	159	135	83	108	83	65	66
30	35	430	113	183	-	171	130	88	83	74	65	70
31	35	-	113	183	-	235	-	130	-	74	65	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,317	85	27	42.5	0.409	0.47
November	1,790	430	32	59.7	.574	.64
December	7,040	1,620	113	227	2.18	2.51
Calendar year 1934	31,558	1,620	15	86.5	.832	11.28
January	5,108	344	93	165	1.59	1.83
February	5,127	274	135	183	1.76	1.83
March	6,689	1,450	118	216	2.08	2.40
April	8,838	960	130	295	2.84	3.17
May	3,202	130	83	103	.990	1.14
June	2,727	171	54	90.9	.874	.98
July	4,689	982	61	151	1.45	1.67
August	2,771	171	65	89.4	.860	.99
September	7,593	3,000	54	253	2.43	2.71
Water year 1934-35	56,892	3,000	27	156	1.50	20.34

Slate River near Arvonia, Va.

Location.- Chain gage, lat. 37°42', long. 78°21', at Bumpers highway bridge 2 miles from Arvonia, Buckingham County, and 2 miles above mouth. Bridge washed out during high water of Sept. 6, 1935; staff gage at same site and datum used Sept. 18-30, 1935. Zero of gage is 238.78 feet above mean sea level.

Drainage area.- 235 square miles.

Records available.- April 1926 to September 1935.

Extremes.- Maximum stage observed during year, 22.18 feet Sept. 6, from flood marks (discharge not determined); minimum discharge, 49 second-feet Nov. 22 (gage height, 2.42 feet).

1926-35: Maximum, that of Sept. 6, 1935; minimum discharge, 2 second-feet Sept. 28 to Oct. 2, 1930.

Remarks.- Records good except those for period of ice effect, Dec. 10-12, and for period Sept. 8-17, which are fair and were estimated on basis of records for station on Rivanna River. Discharge not determined Sept. 6, 7, because stage was above limit for which rating curve is defined. Operation of gristmill 7½ miles upstream affects low-water flow.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second feet)

2.4	47	4.5	456
2.6	64	5.0	610
2.8	85	6.0	984
3.0	110	7.0	1,430
3.3	160	8.0	1,910
3.6	222	10.0	2,940
4.0	320	12.0	4,050

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	97	69	4,110	200	190	269	2,510	179	190	200	110	80
2	62	62	3,650	428	179	245	2,110	170	134	170	110	91
3	58	60	456	245	234	222	516	222	125	160	151	91
4	59	74	307	200	234	200	610	257	1,960	142	110	125
5	60	134	222	142	200	190	824	200	486	125	110	3,650
6	110	85	179	151	190	234	578	190	245	333	104	-
7	190	69	160	151	179	245	1,480	282	190	234	118	-
8	170	63	151	151	170	211	3,370	234	151	516	200	500
9	110	59	134	320	222	179	2,570	179	824	516	142	300
10	91	61	120	456	942	190	678	179	546	211	110	250
11	91	74	100	269	516	222	486	160	282	160	110	200
12	80	74	110	200	320	372	456	170	222	125	97	190
13	69	69	125	160	257	2,770	428	170	245	546	85	160
14	64	63	118	151	257	824	400	160	160	902	85	150
15	62	59	110	134	862	428	346	160	142	257	74	150
16	64	60	110	200	428	307	307	170	134	269	74	140
17	62	62	110	170	786	282	269	179	282	160	74	140
18	64	62	97	245	486	234	257	151	211	160	160	125
19	64	61	97	170	333	211	257	151	151	134	179	125
20	60	56	307	234	269	211	257	134	200	125	282	125
21	63	53	245	678	234	200	282	257	134	110	333	118
22	64	56	118	862	211	200	428	234	134	104	160	118
23	62	74	170	3,260	211	190	294	179	142	104	160	110
24	63	372	151	1,670	200	428	257	257	118	91	125	104
25	58	151	142	428	179	610	245	269	104	85	97	74
26	64	104	160	346	200	1,110	222	211	97	428	85	104
27	59	97	160	282	750	644	211	160	97	1,530	85	104
28	57	97	125	200	346	372	211	142	97	245	80	110
29	57	1,620	134	234	-	307	211	134	179	160	91	110
30	57	3,320	142	211	-	269	200	151	190	160	97	104
31	60	-	142	179	-	862	-	372	-	125	80	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,351	190	57	75.8	0.323	0.37
November	7,320	3,320	53	244	1.04	1.16
December	12,462	4,110	97	402	1.71	1.97
Calendar year 1934	69,643	4,110	22	191	.813	11.02
January	12,727	3,260	134	411	1.75	2.02
February	9,585	942	170	342	1.46	1.52
March	13,238	2,770	179	427	1.82	2.10
April	21,300	3,370	200	710	3.02	3.37
May	6,063	372	134	196	.834	.96
June	8,172	1,960	97	272	1.16	1.29
July	8,587	1,530	85	277	1.18	1.36
August	3,878	333	74	125	.532	.61
September	-	-	74	-	-	-
Water year						

Rivanna River at Palmyra, Va.

Location.- Water-stage recorder, lat. 37°51', long. 78°16', 200 feet below highway bridge at Palmyra, Fluvanna County.

Drainage area.- 675 square miles.

Records available.- May 1934 to September 1935.

Extremes.- Maximum discharge during year, 20,400 second-feet Sept. 6 (gage height, 26.27 feet); minimum, 218 second-feet Oct. 29 (gage height, 2.42 feet).
1934-35: Maximum discharge, that of Sept. 6, 1935; minimum, 120 second-feet July 28, 1934 (gage height, 2.10 feet).
Flood of May 1924 reached a stage of about 27 feet (discharge, about 21,000 second-feet).

Remarks.- Records good except those estimated, which are fair. Estimates based on comparison with records for stations on Hardware River and Slate River.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,070	234	1,200	*700	*800	870	3,660	680	660	396	402	388
2	640	254	9,650	*1,400	825	825	3,180	660	520	399	395	385
3	520	254	2,840	*1,200	*1,000	780	2,130	680	476	910	416	385
4	460	251	1,970	*900	*900	740	2,080	740	783	540	428	554
5	414	707	1,490	540	*800	720	1,700	660	600	464	368	8,260
6	437	449	1,160	*520	*760	760	1,500	640	500	580	360	19,100
7	640	352	982	*500	*720	760	2,240	660	488	492	346	8,470
8	540	302	870	*500	*700	720	6,240	640	448	476	410	*2,700
9	476	278	760	*1,100	348	660	5,610	580	923	2,360	410	*2,000
10	426	264	700	*1,400	*2,000	640	3,000	640	960	1,220	396	*1,500
11	395	258	640	*1,100	*1,600	660	2,400	740	620	848	2,670	*1,000
12	377	254	560	680	*1,400	1,700	2,400	580	560	640	1,460	*850
13	344	254	540	*640	*1,200	7,320	2,180	560	1,200	540	802	*750
14	312	247	520	600	*1,100	2,880	1,910	560	660	756	600	620
15	298	244	500	580	*1,800	1,960	1,700	580	680	580	520	560
16	292	238	*500	560	1,400	1,640	1,500	560	540	1,120	492	500
17	285	231	*480	620	*1,600	1,400	1,340	560	484	1,830	464	452
18	278	231	*480	825	*1,400	1,200	1,200	540	468	740	1,240	422
19	278	228	*500	780	1,100	1,050	1,100	500	456	560	892	399
20	271	231	*1,100	892	1,030	982	1,030	484	520	480	1,380	380
21	261	231	*900	1,700	938	915	1,030	600	476	452	1,840	366
22	254	231	*700	3,660	870	848	1,170	660	448	452	1,340	326
23	254	264	760	11,700	802	802	982	660	436	620	960	305
24	244	760	*650	6,280	780	938	892	760	399	488	740	285
25	244	476	*600	2,580	720	1,000	848	600	392	492	600	281
26	244	352	*650	2,130	802	1,340	780	540	382	994	520	278
27	244	330	*700	*1,500	1,440	1,120	760	496	374	1,750	472	271
28	234	337	*640	*1,200	1,070	1,030	740	472	368	720	444	268
29	222	3,470	580	*1,000	-	938	720	456	420	540	432	271
30	222	7,480	*560	*900	-	870	740	500	444	468	413	258
31	225	-	*550	*850	-	1,200	-	1,220	-	420	396	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	11,401	1,070	222	368	0.545	0.63
November	19,692	7,480	228	656	.972	1.08
December	44,762	11,200	480	1,444	2.14	2.47
Calendar year						
January	49,537	11,700	500	1,598	2.37	2.73
February	30,405	2,000	700	1,086	1.61	1.68
March	39,268	7,320	640	1,267	1.88	2.17
April	56,762	6,240	720	1,892	2.80	3.12
May	19,208	1,220	456	620	.919	1.06
June	16,690	1,200	368	556	.824	.92
July	23,263	2,360	396	750	1.11	1.28
August	22,598	2,670	346	729	1.08	1.24
September	52,584	19,100	258	1,753	2.60	2.90
Water year 1934-35	386,170	19,100	222	1,058	1.57	21.28

*Estimated.

Willis River at Flanagan Mills, Va.

Location.- Chain gage, lat. 37°40', long. 78°11', at highway bridge at Flanagan Mills, Cumberland County, 3 miles below Reynolds Creek. Zero of gage is 178.98 feet above mean sea level.

Drainage area.- 247 square miles.

Records available.- April 1926 to January 1935 (discontinued).

Extremes.- Maximum discharge observed during period, 2,470 second-feet Dec. 2 (gage height, 16.60 feet); minimum, 53 second-feet Oct. 30.
1926-35: Maximum observed discharge, 3,330 second-feet Mar. 7, 1929 (gage height, 19.95 feet); minimum, 2 second-feet Sept. 30, Oct. 1, 4, 12, 1930.

Remarks.- Records good. The flow from Trice Lake, which forms only a small part of total flow at station, is completely regulated during low stages and slightly affects natural flow at gage.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1-9				Table for Oct. 10 to Jan. 3			
3.8	61	5.6	253	4.0	59	6.0	284
4.0	75	6.0	308	4.2	73	6.5	362
4.2	91	6.5	381	4.4	89	7.0	445
4.4	110	7.0	459	4.6	107	8.0	621
4.6	131	8.0	626	4.8	127	10.0	996
4.8	153	9.0	806	5.0	149	12.0	1,390
5.0	177	10.0	996	5.3	186	14.0	1,830
5.3	214	11.0	1,190	5.6	226	16.0	2,310
						16.6	2,470

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87	66	2,020	199								
2	72	70	2,470	567								
3	64	66	2,260	531								
4	68	66	1,570	-								
5	72	89	346	-								
6	322	98	378	-								
7	920	69	226	-								
8	958	73	173	-								
9	1,050	66	161	-								
10	199	62	161	-								
11	144	77	149	-								
12	122	73	138	-								
13	98	73	127	-								
14	85	66	149	-								
15	77	62	132	-								
16	73	59	112	-								
17	73	62	132	-								
18	70	59	122	-								
19	70	62	254	-								
20	66	70	730	-								
21	66	62	675	-								
22	66	66	411	-								
23	66	66	254	-								
24	70	299	199	-								
25	66	254	186	-								
26	66	199	161	-								
27	62	122	173	-								
28	59	112	173	-								
29	62	394	161	-								
30	56	1,190	161	-								
31	62	-	149	-								

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,391	1,050	56	174	0.704	0.81
November	4,172	1,190	59	139	.563	.63
December	14,513	2,470	112	468	1.89	2.18
Calendar year 1934	79,521	2,470	24	218	.883	11.98
January						
February						
March						
April						
May						
June						
July						
August						
September						
Water year						

Appomattox River at Farmville, Va.

Location.- Water-stage recorder, lat. 37°18', long. 78°23', at highway bridge 1,000 feet north of Farmville, Prince Edward County, and 1⅛ miles below Buffalo Creek.

Drainage area.- 306 square miles.

Records available.- March 1926 to September 1935.

Extremes.- Maximum discharge during year, 6,190 second-feet Sept. 6 (gage height, 19.86 feet); minimum, 63 second-feet Aug. 17 (gage height, 2.93 feet); minimum daily discharge, 79 second-feet Oct. 3, 4.
1926-35: Maximum observed discharge, 6,960 second-feet Aug. 12, 1928 (gage height, 21.10 feet); minimum, 5 second-feet Oct. 4, 1933; minimum daily discharge, 9 second-feet Sept. 20, 1932.

Remarks.- Records good. Low-water flow regulated by dam above station.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	112	133	3,670	528	264	380	2,520	249	336	154	181	137
2	91	134	4,030	687	297	349	3,310	248	227	169	173	139
3	79	130	1,330	469	320	318	1,330	267	200	190	332	142
4	79	141	630	366	314	296	915	270	347	155	498	199
5	128	215	476	302	284	288	849	299	274	183	231	860
6	600	158	398	294	292	310	648	274	246	420	175	4,500
7	2,230	142	364	298	328	370	1,180	326	209	252	226	4,240
8	1,040	137	334	293	268	364	2,630	374	231	188	253	989
9	344	132	314	542	264	302	3,200	274	1,260	436	574	474
10	243	130	306	607	1,200	284	1,260	250	1,020	357	313	1,120
11	221	143	300	418	1,110	310	676	244	539	354	218	512
12	200	151	314	336	596	490	592	234	320	193	196	292
13	177	140	291	306	416	2,250	567	224	268	263	172	268
14	167	130	270	278	504	1,930	484	220	239	537	156	208
15	161	127	253	307	1,080	683	427	215	216	251	148	187
16	150	127	260	305	736	462	392	221	205	201	147	168
17	147	126	263	221	828	390	362	252	215	192	160	158
18	144	127	250	226	678	344	348	225	195	208	243	148
19	140	132	521	269	462	312	333	214	191	185	249	145
20	137	130	892	420	386	305	324	205	268	167	224	141
21	133	130	522	691	338	296	377	383	207	153	269	136
22	134	130	380	782	316	280	500	429	193	145	194	130
23	130	154	333	1,930	306	276	387	272	202	143	182	125
24	128	412	304	2,350	305	335	334	282	172	162	170	121
25	126	285	292	867	285	631	316	320	161	185	148	119
26	129	186	269	530	330	1,450	298	275	156	483	140	118
27	127	170	257	433	727	1,220	273	232	153	2,250	134	118
28	122	167	272	316	506	655	273	214	150	835	131	148
29	119	1,370	277	248	-	546	268	203	147	278	157	148
30	124	3,720	274	228	-	418	266	209	157	242	156	125
31	127	-	255	287	-	773	-	315	-	206	142	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,989	2,230	79	258	0.843	0.97
November	9,509	3,720	126	317	1.04	1.16
December	18,901	4,030	250	610	1.99	2.29
Calendar year 1934	96,441	4,030	31	264	.863	11.72
January	16,134	2,350	221	520	1.70	1.96
February	13,742	1,200	264	491	1.60	1.67
March	17,617	2,250	276	568	1.86	2.14
April	25,639	3,310	266	855	2.79	3.11
May	8,219	429	203	265	.866	1.00
June	8,704	1,260	147	290	.948	1.06
July	10,137	2,250	143	327	1.07	1.23
August	6,692	574	131	216	.706	.81
September	16,315	4,500	118	544	1.78	1.99
Water year 1934-35	159,590	4,500	79	437	1.43	19.39

Appomattox River at Mattoax, Va.

Location.- Chain gage, lat. 37°25', long. 77°52', at Southern Railway bridge at Mattoax, Amelia County, a quarter of a mile above Skinquarter Creek.

Drainage area.- 729 square miles (revised).

Records available.- August 1900 to December 1905, March 1926 to September 1935.

Extremes.- Maximum discharge observed during year, 6,340 second-feet Dec. 4 (gage height, 23.66 feet); minimum, 152 second-feet Aug. 18 (gage height, 5.01 feet).
1900-1905, 1926-35: Maximum observed discharge, 12,200 second-feet May 25, 1901 (gage height, 24.6 feet, former datum); minimum, 11 second-feet Oct. 2, 1930 (gage height, 3.52 feet).

Remarks.- Records fair. Discharge estimated Nov. 24, July 10, 26, 27, by comparison with records of flow at Farmville, Va., and Petersburg, Va.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting control method used Apr. 12 to Sept. 8)

5.4	159	9.0	852
5.6	186	10.0	1,120
5.8	214	12.0	1,740
6.0	244	14.0	2,420
6.3	291	16.0	3,160
6.6	341	18.0	3,930
7.0	412	20.0	4,730
7.5	510	22.0	5,580
8.0	616	24.0	6,480

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	214	172	3,080	572	490	984	3,420	550	682	530	341	244
2	214	186	3,770	1,550	470	706	4,090	510	550	412	275	214
3	200	186	5,490	1,300	572	616	4,530	490	450	307	412	200
4	186	186	6,300	778	706	572	5,490	594	412	291	778	229
5	214	200	5,050	572	550	550	5,050	572	450	291	730	510
6	244	244	2,680	510	550	550	4,130	550	572	650	510	1,330
7	1,070	244	730	470	510	616	2,250	572	490	904	291	4,210
8	1,710	200	594	470	430	706	3,650	660	412	490	307	4,570
9	1,100	186	530	470	394	638	4,170	638	660	341	638	6,030
10	490	200	490	1,420	1,680	616	4,450	530	2,040	600	1,010	5,900
11	394	186	490	1,580	2,500	530	5,540	490	1,910	550	490	3,690
12	341	186	394	878	2,680	510	5,050	470	1,040	594	341	1,010
13	307	200	394	594	2,080	2,780	2,040	450	852	376	275	638
14	307	214	412	510	852	3,460	1,270	430	510	450	244	510
15	229	200	394	470	1,390	3,380	1,150	412	412	826	358	412
16	214	186	376	430	1,970	3,570	1,010	412	376	470	214	376
17	229	186	376	450	1,910	984	930	412	358	394	200	341
18	229	179	376	682	1,480	778	852	412	394	324	166	307
19	200	186	412	660	1,100	682	802	412	376	324	412	291
20	186	200	1,640	594	852	616	730	412	358	307	470	291
21	186	200	1,840	1,270	706	616	730	470	430	275	530	275
22	186	186	1,010	1,580	616	594	1,010	852	376	244	490	259
23	179	186	730	3,610	572	594	1,010	778	341	214	510	229
24	172	500	530	3,930	550	594	778	594	307	214	324	229
25	179	510	510	3,930	530	730	706	638	275	214	275	200
26	172	490	490	4,490	510	1,610	660	510	275	600	229	214
27	179	324	490	3,810	984	2,320	616	430	244	1,200	214	214
28	172	275	510	852	1,300	2,600	594	412	244	1,680	186	275
29	186	510	550	616	-	2,680	572	394	229	1,940	172	275
30	186	1,680	450	572	-	1,100	572	530	307	550	214	275
31	179	-	430	530	-	1,450	-	660	-	358	244	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	10,254	1,710	172	331	0.454	0.52
November	8,788	1,680	172	293	.402	.45
December	41,518	6,300	376	1,339	1.84	2.12
Calendar year 1934	206,714	6,300	64	566	.776	10.38
January	40,350	4,490	430	1,302	1.79	2.06
February	28,934	2,680	394	1,033	1.42	1.48
March	38,732	3,460	510	1,249	1.71	1.97
April	67,852	5,540	572	2,262	3.10	3.46
May	16,246	852	394	524	.719	.83
June	16,332	2,040	229	544	.746	.83
July	16,930	1,940	214	546	.749	.86
August	11,850	1,010	166	382	.524	.60
September	33,748	6,030	200	1,125	1.54	1.72
Water year 1934-35	331,534	6,300	166	908	1.25	16.90

Appomattox River near Petersburg, Va.

Location.- Water-stage recorder, lat.37°14', long. 77°33', 1⅛ miles above Wallace Creek, 2⅛ miles above dam of Virginia Electric & Power Co., and 7 miles west of Petersburg, Dinwiddie County.

Drainage area.- 1,335 square miles.

Records available.- September 1931 to September 1935. May 1927 to September 1931 at site 1 mile downstream.

Extremes.- Maximum discharge during year, 8,850 second-feet Sept. 6 (gage height, 11.12 feet); minimum, 239 second-feet Aug. 18 (gage height, 2.67 feet).
1927-35: Maximum discharge, that of Sept. 6, 1935; minimum, 19 second-feet Sept. 21-27, 1932.

Remarks.- Records good. Discharge estimated Jan. 31, Feb. 1.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
Shifting control method used Sept. 28-30

Table for Oct. 1 to Apr. 3

2.8	257	5.0	1,840
3.0	332	6.0	2,930
3.3	470	7.0	4,030
3.6	640	8.0	5,130
4.0	920	9.0	6,330
4.5	1,350	10.0	7,530

Table for Apr. 4 to Sept. 30

2.6	213	5.0	2,000
2.8	290	6.0	3,030
3.0	380	7.0	4,130
3.3	545	8.0	5,230
3.6	745	9.0	6,330
4.0	1,060	10.0	7,530
4.5	1,500	11.0	8,730

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	293	257	4,250	1,090	1,060	1,840	5,490	964	1,360	1,550	446	330
2	305	268	5,020	2,100	1,050	1,300	7,290	916	1,060	1,750	436	299
3	301	279	5,250	2,490	1,090	1,090	7,650	864	844	876	1,140	278
4	275	297	5,250	1,840	1,300	984	7,530	948	717	564	844	278
5	261	312	5,970	1,150	1,300	904	6,930	1,010	696	649	1,000	566
6	399	340	6,690	880	1,060	880	6,930	964	876	1,020	836	7,770
7	784	383	5,290	819	872	1,080	6,930	924	964	2,150	571	8,730
8	1,490	392	1,000	798	777	1,220	6,450	1,030	1,200	1,320	405	8,250
9	1,840	340	784	1,000	798	1,170	7,170	1,040	4,900	820	436	6,810
10	1,220	320	692	2,160	2,050	976	7,410	980	5,010	1,100	662	6,330
11	598	316	643	2,600	3,810	912	7,170	884	4,020	948	900	6,810
12	492	316	604	1,940	4,140	1,030	6,570	828	2,550	844	558	5,560
13	440	332	574	1,160	3,480	3,920	6,570	768	2,450	745	395	1,320
14	392	332	586	912	1,840	5,370	4,570	745	1,600	584	334	900
15	345	320	580	812	1,840	5,250	2,300	731	1,060	775	299	738
16	320	309	552	744	2,540	4,470	1,900	731	836	868	348	642
17	312	301	536	798	2,710	3,920	1,600	798	852	662	262	571
18	312	301	542	1,030	2,380	1,640	1,460	844	996	642	243	521
19	312	301	686	1,070	2,100	1,170	1,320	798	798	491	286	491
20	309	301	2,270	1,060	1,540	1,060	1,280	724	768	463	668	468
21	305	301	3,040	1,690	1,220	1,010	1,280	1,140	731	410	1,080	446
22	293	301	2,240	2,320	1,040	960	1,650	1,550	717	371	1,000	430
23	293	312	1,300	4,910	968	912	1,750	1,650	642	348	752	405
24	282	520	952	7,410	904	1,130	1,550	1,320	552	321	675	390
25	275	833	826	7,410	872	1,400	1,280	1,180	509	308	485	362
26	275	880	791	7,170	856	2,320	1,140	1,180	463	743	405	348
27	275	646	872	6,330	1,300	3,260	1,060	1,020	436	1,010	330	348
28	275	508	872	4,250	2,000	3,480	1,040	860	405	1,410	282	497
29	268	574	819	1,300	-	3,480	996	752	415	1,950	282	545
30	264	2,270	764	1,110	-	2,220	980	717	980	1,460	316	497
31	257	-	718	1,080	-	2,270	-	1,040	-	636	325	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	14,062	1,840	257	454	0.340	0.39
November	13,462	2,270	257	449	.336	.37
December	60,973	6,690	537	1,967	1.47	1.70
Calendar year 1934	359,859	7,890	127	986	.739	10.02
January	71,433	7,410	744	2,304	1.73	1.99
February	46,897	4,140	777	1,675	1.25	1.30
March	62,628	5,370	880	2,020	1.51	1.74
April	117,246	7,650	980	3,908	2.93	3.27
May	29,920	1,650	717	965	.723	.83
June	39,407	5,010	405	1,314	.984	1.10
July	27,788	2,150	308	896	.671	.77
August	16,971	1,140	243	547	.410	.47
September	61,930	8,730	278	2,064	1.55	1.73
Water year 1934-35	562,717	8,730	243	1,542	1.16	15.66

Lake Drummond in Dismal Swamp, Va.

Location.- Staff gage, lat. 36°36', long. 76°26'40", near lake outlet in Norfolk County (revised), 2 miles east of Nansemond County line, 3 miles from North Carolina State line (revised), and 25 miles from Norfolk.

Records available.- May 1926 to September 1935.

Extremes.- Maximum gage height during year, 5.30 feet June 13; minimum, 4.55 feet July 16.
1926-35: Maximum gage height, 6.09 feet Oct. 7, 1929; minimum, 0.10 foot Dec. 9, 1926.

Remarks.- Records good.

Gage height in feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.24	5.20	5.22	5.20	5.20	5.10	4.85	5.12	5.20	5.18	5.10	5.08
2	5.21	5.20	5.20	5.18	5.18	5.10	4.78	5.12	5.12	5.20	5.12	5.10
3	5.24	5.20	5.15	5.20	5.18	5.10	4.95	5.15	5.15	5.18	5.15	5.02
4	5.24	5.22	5.15	5.15	5.15	5.10	5.00	5.10	5.20	5.15	5.12	5.05
5	5.24	5.22	5.18	5.20	5.18	5.12	4.90	5.15	5.20	5.15	5.12	5.05
6	5.24	5.22	5.20	5.20	5.15	5.15	4.90	5.15	5.12	5.20	5.15	4.80
7	5.21	5.20	5.20	5.20	5.15	5.15	4.78	5.18	5.15	5.18	5.15	4.78
8	5.21	5.20	5.20	5.20	5.15	5.15	4.82	5.20	5.18	5.18	5.15	5.02
9	5.24	5.20	5.20	5.18	5.18	5.15	4.78	5.12	5.15	5.22	5.12	5.06
10	5.24	5.18	5.22	5.22	5.18	5.20	5.02	5.15	5.18	5.05	5.10	5.10
11	5.24	5.22	5.20	5.20	5.15	5.20	5.08	5.15	5.20	5.08	5.10	5.15
12	5.24	5.25	5.20	5.20	5.20	5.20	5.02	5.15	5.20	5.12	5.12	5.18
13	5.24	5.20	5.18	5.22	5.20	5.12	5.00	5.18	5.18	5.05	5.10	5.18
14	5.24	5.20	5.18	5.20	5.10	5.10	5.00	5.20	5.12	4.70	5.10	5.20
15	5.24	5.20	5.20	5.20	5.00	5.15	5.02	5.15	5.18	4.60	5.12	5.18
16	5.24	5.20	5.18	5.20	5.10	5.20	5.10	5.15	5.10	4.58	5.10	5.15
17	5.24	5.20	5.20	5.20	5.12	5.20	5.12	5.18	5.15	4.95	5.05	5.18
18	5.29	5.20	5.20	5.20	5.18	5.15	5.08	5.15	5.20	5.00	5.05	5.20
19	5.21	5.20	5.22	5.20	5.18	5.15	5.15	5.18	5.20	5.12	5.02	5.20
20	5.24	5.20	5.20	5.20	5.18	5.18	5.15	5.15	5.20	5.15	5.05	5.18
21	5.24	5.20	5.16	5.20	5.20	5.18	5.08	4.90	5.20	5.15	5.10	5.20
22	5.24	5.20	5.18	5.08	5.10	5.15	5.05	5.05	5.20	5.10	5.15	5.15
23	5.29	5.22	5.20	5.08	5.10	5.20	5.12	5.15	5.18	5.20	5.10	5.20
24	5.27	5.20	5.20	5.10	5.15	5.20	5.15	5.12	5.15	5.20	5.15	5.20
25	5.24	5.16	5.20	5.00	5.15	5.20	5.18	5.15	5.15	5.12	5.10	5.20
26	5.25	5.20	5.18	5.05	5.20	5.20	5.20	5.20	5.20	4.90	5.10	5.20
27	5.25	5.18	5.18	5.12	5.05	5.12	5.20	5.20	5.18	4.82	5.12	5.20
28	5.22	5.18	5.20	5.12	5.12	5.12	5.20	5.22	5.18	4,78	5.10	5.15
29	5.20	5.18	5.20	5.18	-	5.15	5.20	5.20	5.20	4.72	5.15	5.20
30	5.20	5.20	5.18	5.18	-	5.15	5.18	5.22	5.20	4.92	5.10	5.20
31	5.20	-	5.20	5.18	-	5.08	-	5.20	-	5.12	5.10	-

Nottoway River near Stony Creek, Va.

Location.- Water-stage recorder, lat. 36°54', long. 77°24', at bridge on Petersburg-Emporia highway 2 miles above Island Swamp Creek and 3½ miles south of Stony Creek, Sussex County. Prior to Oct. 11, 1934, chain gage at same site and datum.

Drainage area.- 586 square miles.

Records available.- March 1930 to September 1935.

Extremes.- Maximum discharge during year, 5,600 second-feet Sept. 7 (gage height, 17.76 feet); minimum, 62 second-feet Aug. 18 (gage height, 1.77 feet).
1930-35: Maximum discharge, that of Sept. 7, 1935; minimum, 5 second-feet Sept. 2, 5, 1932 (gage height, 0.62 foot).

Remarks.- Records good. Discharge estimated for May 29 and June 24.

Rating table, water 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Dec. 2 and Sept. 8-20)

1.8	66	6.0	931
2.0	87	7.0	1,210
2.3	124	8.0	1,510
2.6	165	10.0	2,110
3.0	228	12.0	2,780
3.5	325	14.0	3,620
4.0	432	16.0	4,620
5.0	670	17.8	5,600

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	172	105	2,600	824	595	850	2,400	620	432	388	144	144
2	158	111	3,220	1,360	571	695	3,910	523	346	367	124	111
3	151	118	3,140	1,240	595	620	4,310	454	265	265	130	93
4	151	130	1,390	824	620	571	4,360	620	246	188	111	93
5	144	151	720	620	595	547	2,270	695	265	165	203	125
6	151	203	595	547	547	547	1,330	523	305	180	220	2,960
7	410	188	523	523	500	670	1,630	500	346	265	211	5,440
8	346	172	500	523	454	772	2,400	523	305	325	137	5,110
9	265	158	454	547	454	645	3,440	477	410	410	142	3,300
10	188	144	432	1,100	1,370	523	3,620	432	850	595	625	828
11	165	137	410	1,070	2,370	523	3,020	454	772	720	325	877
12	165	144	388	746	2,210	620	1,450	500	454	454	188	523
13	165	158	346	571	1,240	2,050	1,480	410	477	346	137	388
14	144	151	367	523	958	2,430	1,420	367	523	813	118	346
15	130	144	346	477	1,360	2,300	1,150	346	305	410	99	265
16	118	144	325	454	1,330	1,210	985	346	265	285	87	228
17	124	137	325	595	1,180	850	824	367	265	246	82	203
18	124	137	325	772	1,120	720	772	388	305	265	71	180
19	130	130	388	695	904	645	720	346	346	246	82	172
20	124	130	1,150	772	746	620	670	305	285	220	124	165
21	124	137	1,630	985	645	595	931	772	228	172	240	158
22	118	137	1,070	1,040	595	571	1,690	1,390	203	151	246	151
23	118	144	645	1,760	571	547	1,180	985	188	144	188	137
24	111	180	547	3,720	547	595	877	571	190	130	137	124
25	105	388	500	3,620	523	772	720	500	188	130	111	118
26	111	346	500	3,170	523	1,810	670	477	165	130	87	111
27	111	228	824	1,300	1,120	2,210	595	410	151	165	82	105
28	111	195	798	958	1,210	1,990	571	346	188	655	71	156
29	105	274	620	695	-	1,100	547	320	477	481	71	432
30	99	1,740	571	746	-	850	547	285	410	228	99	305
31	99	-	523	720	-	1,930	-	325	-	172	172	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	4,737	410	99	153	0.261	0.30	
November	6,661	1,740	105	222	.379	.42	
December	26,172	3,220	325	844	1.44	1.66	
Calendar year 1934	204,309	4,210	50	560	.956	12.96	
January	33,497	3,720	454	1,081	1.84	2.12	
February	25,453	2,370	454	909	1.55	1.61	
March	31,378	2,430	523	1,012	1.73	1.99	
April	50,489	4,360	547	1,683	2.87	3.20	
May	15,577	1,390	285	502	.857	.99	
June	10,155	850	151	338	.577	.64	
July	9,711	813	130	313	.534	.62	
August	4,864	625	71	157	.268	.31	
September	23,348	5,440	93	778	1.33	1.48	
Water year 1934-35	242,042	5,440	71	663	1.13	15.34	

Meherrin River near Lawrenceville, Va.

Location.- Water-stage recorder, lat. 36°43', long. 77°49'59", at Gholson Bridge, 3 miles southeast of Lawrenceville, Brunswick County.

Drainage area.- 553 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge during year, 7,960 second-feet Dec. 1 (gage height, 24.17 feet); minimum, 46 second-feet Aug. 27 (gage height, 1.58 feet).
1928-35: Maximum discharge, that of Dec. 1, 1934; minimum, 5 second-feet Sept. 23, 24, 1932 (gage height, 0.72 foot).

Remarks.- Records excellent except those for high stages and those estimated for Sept. 13-16, which are fair. Flow regulated during low water by small dam and mill just above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.8	64	8.0	1,490
2.0	84	10.0	2,130
2.3	120	12.0	2,820
2.6	164	14.0	3,560
3.0	230	16.0	4,360
3.5	320	18.0	5,200
4.0	421	20.0	6,060
5.0	652	22.0	6,950
6.0	912	24.0	7,870
7.0	1,190		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	214	120	7,700	1,080	422	504	3,000	470	396	122	116	108
2	170	121	6,390	1,560	476	444	4,850	366	246	112	110	95
3	156	126	2,210	877	443	412	4,820	337	202	102	128	94
4	148	134	708	601	397	386	1,210	520	202	98	143	155
5	148	210	572	475	410	366	969	691	210	104	151	1,420
6	270	170	478	419	375	390	837	398	262	123	130	5,920
7	480	164	423	400	348	530	1,220	395	410	239	102	7,060
8	396	160	384	382	326	721	2,960	416	232	156	120	2,340
9	255	137	343	535	337	474	4,540	349	272	136	363	464
10	193	130	328	1,570	1,530	390	2,950	330	632	662	270	797
11	171	142	320	894	2,260	424	1,050	425	394	577	145	469
12	168	133	302	562	978	644	854	378	240	372	108	308
13	156	142	280	442	692	3,070	1,250	296	190	216	100	270
14	148	130	286	398	657	3,890	1,000	272	174	503	96	240
15	132	136	265	362	1,110	1,090	760	260	166	222	86	210
16	140	126	254	344	1,100	736	646	287	156	166	78	170
17	132	131	256	514	876	613	564	289	162	428	80	136
18	136	128	272	756	872	526	518	276	188	784	103	144
19	141	117	422	489	654	459	488	246	204	265	118	139
20	132	130	2,650	647	532	442	460	230	176	170	176	133
21	128	128	1,040	1,450	464	436	1,050	928	146	142	188	129
22	121	124	579	1,020	426	408	1,880	1,510	142	122	278	121
23	131	132	464	2,300	414	382	976	522	148	153	138	113
24	118	256	402	4,630	392	422	630	364	140	134	104	108
25	122	452	364	3,710	372	640	546	334	127	400	112	104
26	120	222	392	1,010	372	1,530	486	312	117	825	82	106
27	120	176	1,080	728	742	2,380	441	272	109	1,720	75	104
28	108	161	693	582	806	954	410	244	106	462	76	348
29	100	1,490	506	512	-	708	390	224	209	210	361	446
30	117	5,560	492	543	-	578	421	210	200	158	258	198
31	106	-	432	442	-	890	-	286	-	130	136	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off: Inches	Run-off: Acre-feet
October	5,177	480	100	167	0.302	0.35	
November	11,490	5,560	117	383	.693	.77	
December	31,289	7,700	254	1,009	1.82	2.10	
Calendar year 1934	207,428	7,700	30	568	1.03	13.95	
January	30,734	4,830	344	991	1.79	2.06	
February	18,783	2,260	326	671	1.21	1.26	
March	25,839	3,890	366	834	1.51	1.74	
April	42,176	4,850	390	1,406	2.54	2.83	
May	12,437	1,510	210	401	.725	.84	
June	6,560	632	106	219	.396	.44	
July	10,013	1,720	98	323	.584	.67	
August	4,531	363	75	146	.264	.30	
September	22,449	7,060	94	748	1.35	1.51	
Water year 1934-35	221,478	7,700	75	607	1.10	14.87	

Roanoke River at Roanoke, Va.

Location.- Chain gage, lat. 37°15'30", long. 79°56'20", at Walnut Street highway bridge in Roanoke, Roanoke County. Zero of gage is 906.84 feet above mean sea level.

Drainage area.- 388 square miles.

Records available.- July 1896 to September 1935.

Average discharge.- 35 years (1896-97, 1898-1902, 1903-5, 1907-35), 400 second-feet.

Extremes.- Maximum discharge observed during year, 10,800 second-feet Jan. 23 (gage height, 11.70 feet); minimum, 75 second-feet Oct. 5, Nov. 16, 17, 19, 20, 21 (gage height, 0.84 foot).

1896-1935: Maximum observed discharge, 16,900 second-feet Aug. 6, 1901 (gage height, 14.34 feet); practically no flow on Dec. 23, 1909, when flow was retarded by freezing (gage height, 0.0 foot).

Remarks.- Records good except those estimated on basis of records for station at Niagara, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	117	93	6,350	*220	385	282	6,710	339	176	106	98	*80
2	91	123	*2,900	290	385	317	2,800	317	*160	93	93	*90
3	81	104	910	311	*360	*300	2,200	317	156	93	88	250
4	79	*140	702	270	339	282	2,500	*440	191	*100	*100	180
5	81	166	545	250	317	270	2,500	*380	167	114	88	790
6	239	111	422	*260	295	282	1,700	287	149	123	84	2,900
7	*420	88	376	250	261	458	*3,100	291	130	*290	101	730
8	270	88	332	246	241	433	3,660	282	124	138	144	*450
9	208	84	*290	1,110	237	385	2,400	257	*480	117	135	342
10	160	79	246	1,610	*680	*400	1,600	253	242	250	120	272
11	163	*90	235	910	618	562	1,250	249	187	135	*110	206
12	138	93	180	675	509	618	1,100	*260	176	114	114	188
13	126	88	201	*570	453	2,900	1,030	253	180	104	93	166
14	*120	84	190	470	562	1,420	*880	237	176	*160	93	143
15	114	79	173	376	1,420	1,030	735	245	163	123	93	*130
16	109	75	*165	470	960	830	645	261	*160	109	84	121
17	91	75	150	620	*800	*700	618	237	150	88	84	124
18	93	*75	150	648	645	590	562	213	138	93	*90	113
19	93	75	220	545	590	509	509	*200	132	106	98	121
20	88	75	290	*540	535	509	483	198	126	93	111	113
21	*90	75	227	730	458	458	*500	339	114	*160	129	102
22	88	79	212	1,430	*440	433	483	295	120	120	109	*100
23	86	117	*210	9,230	*440	509	433	278	*200	138	332	92
24	84	470	212	2,200	*440	*800	409	253	114	129	223	92
25	93	*320	*210	1,250	362	3,440	385	362	109	173	*150	92
26	88	176	212	960	339	4,100	362	*310	104	160	111	*90
27	88	154	205	*770	362	2,200	362	261	96	620	93	90
28	*80	150	187	590	291	1,330	*350	229	93	*200	93	85
29	79	*5,000	190	562	-	960	339	209	109	163	88	*80
30	79	2,300	*200	483	-	765	409	*200	*200	132	91	80
31	88	-	176	433	-	*1,400	-	191	-	117	88	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	3,824	420	79	123	0.317	0.37	
November	10,726	5,000	75	358	.923	1.03	
December	17,278	6,350	150	557	1.44	1.66	
Calendar year 1934	93,869	6,350	27	257	.662	9.00	
January	29,279	9,230	220	944	2.43	2.80	
February	13,754	1,420	237	491	1.27	1.32	
March	29,472	4,100	270	951	2.45	2.82	
April	41,014	6,710	339	1,367	3.52	3.93	
May	8,443	440	191	272	.701	.81	
June	4,842	480	93	161	.415	.46	
July	4,661	620	88	150	.387	.45	
August	3,528	332	84	114	.294	.34	
September	8,412	2,900	80	280	.722	.81	
Water year 1934-35	175,233	9,230	75	480	1.24	16.80	

*Estimated.

Roanoke River at Niagara, Va.

Location.- Water-stage recorder, lat. 37°15'18", long. 79°52'18", 200 feet below power plant of Appalachian Electric Power Co. at Niagara, Roanoke County, and 2 miles below mouth of Tinker Creek. Zero of gage is 820.15 feet above mean sea level.

Drainage area.- 511 square miles.

Records available.- July 1926 to September 1935.

Extremes.- Maximum discharge during year, 11,800 second-feet Jan. 23 (gage height, 14.20 feet); minimum, 46 second-feet Jan. 30 (gage height, 0.91 foot); minimum daily discharge, 102 second-feet Nov. 21.

1926-35: Maximum discharge, 16,300 second-feet Aug. 16, 1928 (gage height, 17.36 feet); minimum, 14 second-feet July 11, 1926 (gage height, 0.45 foot); minimum daily discharge (estimated), 40 second-feet Nov. 6, 1931.

Remarks.- Records good except those for periods of shifting control and those estimated, which are fair. Estimates based on comparison with records for stations at Roanoke and Toshes. Flow regulated at dam and water-power plant 200 feet above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet) (Shifting-control method used Oct. 29 to Nov. 24 and April 9 to July 8)

1.2	78	4.5	1,160
1.4	105	5.0	1,470
1.6	139	6.0	2,230
1.8	178	7.0	3,130
2.0	221	8.0	4,150
2.3	294	9.0	5,270
2.6	378	10.0	6,470
3.0	510	12.0	8,970
3.5	698	14.0	11,600
4.0	912		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	162	148	*7,700	344	546	454	7,320	528	326	188	167	116
2	125	150	*3,800	381	522	446	4,230	530	347	200	149	131
3	132	*160	*1,600	380	556	456	3,290	571	317	196	192	300
4	119	*190	*1,200	380	501	457	4,020	583	456	202	168	221
5	174	*250	*900	324	432	438	3,500	504	382	208	158	1,730
6	346	*190	*700	342	455	434	2,780	528	304	202	136	3,120
7	558	*160	*600	326	390	590	4,120	498	294	384	234	999
8	353	*140	*500	*340	410	546	5,000	479	455	242	257	608
9	228	*135	*450	*1,600	398	512	3,700	468	639	241	194	451
10	244	*130	*400	*2,300	896	518	2,890	436	385	318	182	406
11	187	*140	*370	*1,350	840	662	2,220	431	379	210	175	334
12	182	*140	357	*860	711	1,370	1,890	425	282	163	170	281
13	228	*135	386	*770	689	3,500	1,400	445	358	212	156	280
14	186	*130	350	663	800	1,980	1,360	453	291	207	142	279
15	232	*130	311	547	1,870	1,370	1,190	412	282	198	190	230
16	160	104	316	536	1,380	1,080	1,060	484	280	203	137	216
17	158	184	314	784	1,110	916	982	416	280	176	135	221
18	154	162	290	780	912	806	911	401	278	177	140	187
19	154	130	334	725	804	664	891	372	290	170	139	204
20	148	107	420	724	713	652	797	377	263	175	165	195
21	147	102	372	1,050	630	642	871	594	182	210	164	191
22	*140	115	346	3,090	586	568	815	508	244	224	200	164
23	134	230	326	9,360	584	927	720	445	268	238	566	179
24	138	*670	323	3,640	584	1,050	710	460	192	200	270	152
25	138	*450	328	2,060	488	4,540	640	544	256	247	193	152
26	140	*280	290	1,500	502	5,490	628	490	208	302	170	167
27	140	*240	292	1,160	556	3,180	592	456	210	588	159	154
28	141	*230	314	908	461	2,040	575	406	320	284	144	155
29	134	*6,000	264	821	-	1,480	594	406	226	219	150	144
30	140	*3,900	336	720	-	1,160	659	322	274	194	124	152
31	138	-	264	616	-	1,880	-	384	-	209	128	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	5,760	558	119	186	0.364	0.42	
November	15,132	6,000	102	504	.986	1.10	
December	24,753	7,700	264	798	1.56	1.80	
Calendar year 1934	142,743	7,700	94	391	.765	10.39	
January	39,481	9,360	324	1,274	2.49	2.87	
February	19,376	1,870	390	692	1.35	1.41	
March	40,808	5,490	434	1,316	2.58	2.97	
April	60,355	7,320	575	2,012	3.94	4.40	
May	14,356	594	322	463	.906	1.04	
June	9,248	639	182	308	.603	.67	
July	7,187	588	163	232	.454	.52	
August	5,654	566	124	182	.356	.41	
September	12,119	3,120	116	404	.791	.88	
Water year 1934-35	254,229	9,360	102	697	1.36	18.49	

*Estimated.

Roanoke River near Toshes, Va.

Location.- Water-stage recorder, lat. 37°2'3", long. 79°31'18", three-quarters of a mile below Smith Mountain Gap, 3 miles above Pigg River, and 7 miles north west of Toshes, Pittsylvania County. Zero of gage is 588.99 feet above mean sea level.

Drainage area.- 1,020 square miles.

Records available.- September 1925 to September 1935.

Average discharge.- 10 years 896 second-feet.

Extremes.- Maximum discharge during year, 19,400 second-feet Dec. 1 (gage height, 15.70 feet); minimum, 199 second-feet Nov. 17 (gage height, 1.23 feet).
1925-35: Maximum discharge, 28,500 second-feet Oct. 18, 1932 (gage height, 19.80 feet); minimum, 93 second-feet Sept. 19, 20, 1932 (gage height, 0.96 foot).

Remarks.- Records excellent. Discharge estimated Mar. 9-13.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	186	1.9	586	5.0	3,400
1.3	229	2.0	664	6.0	4,500
1.4	275	2.3	915	7.0	5,700
1.5	326	2.6	1,170	8.0	7,000
1.6	382	3.0	1,510	10.0	9,900
1.7	444	3.5	1,960	12.0	13,000
1.8	512	4.0	2,410	14.0	16,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	471	285	14,400	738	1,170	992	8,170	1,170	697	505	407	290
2	354	306	7,640	924	1,170	983	7,780	1,020	609	425	365	270
3	295	311	4,170	847	1,130	966	4,740	1,080	617	419	343	311
4	285	328	2,800	805	1,170	940	5,460	1,740	721	425	365	617
5	648	617	2,140	730	1,020	906	5,340	1,130	746	544	343	5,660
6	2,410	438	1,600	697	992	924	4,060	1,030	754	930	316	10,300
7	2,000	365	1,380	730	932	1,170	5,460	1,130	609	564	343	3,000
8	1,080	332	1,170	713	822	1,380	7,840	1,020	966	1,050	730	1,690
9	721	321	1,050	3,430	890	1,050	5,960	932	2,770	641	586	1,170
10	527	311	915	4,860	2,240	1,050	4,280	898	1,130	689	438	966
11	527	311	864	3,000	2,100	1,200	3,400	872	813	579	419	822
12	432	311	771	2,050	1,600	2,000	2,900	838	721	438	376	713
13	394	306	780	1,600	1,420	7,800	2,600	890	633	499	348	609
14	407	306	780	1,380	1,640	3,840	2,320	890	680	822	337	571
15	382	295	705	1,210	3,100	2,700	2,050	864	609	505	326	549
16	419	243	664	1,070	2,700	2,180	1,920	847	594	444	354	498
17	343	208	680	1,260	2,280	1,870	1,780	906	713	419	306	464
18	332	285	656	1,510	1,920	1,640	1,690	796	602	419	321	478
19	326	326	822	1,420	1,640	1,470	1,600	738	664	432	354	444
20	321	316	1,130	1,420	1,510	1,340	1,510	730	579	432	401	458
21	316	295	949	1,640	1,340	1,300	1,510	1,050	512	432	519	432
22	311	290	822	3,720	1,260	1,260	1,600	1,170	471	692	401	419
23	295	337	746	15,500	1,210	1,340	1,380	949	519	633	1,240	388
24	290	1,050	721	7,320	1,170	2,900	1,300	949	505	648	763	394
25	290	966	680	3,840	1,050	4,460	1,260	1,080	413	534	478	371
26	300	672	713	2,800	1,080	9,000	1,210	1,050	456	746	371	365
27	306	542	625	2,280	1,260	5,340	1,130	864	438	1,060	337	376
28	285	512	602	1,870	1,130	3,510	1,130	805	432	958	376	371
29	270	6,310	656	1,640	-	2,700	1,080	730	713	549	348	382
30	266	8,850	594	1,510	-	2,160	1,210	730	542	451	321	348
31	270	-	648	1,300	-	2,410	-	664	-	401	290	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	15,873	2,410	266	512	0.502	0.58	
November	26,405	8,850	208	880	.863	.96	
December	52,873	14,400	594	1,706	1.67	1.92	
Calendar year 1934	280,081	14,400	120	767	.752	10.21	
January	73,814	15,500	697	2,381	2.33	2.69	
February	40,946	3,100	822	1,462	1.43	1.49	
March	72,801	9,000	906	2,348	2.30	2.65	
April	93,670	8,170	1,080	3,122	3.06	3.41	
May	29,562	1,740	664	954	.935	1.08	
June	21,230	2,770	413	708	.694	.77	
July	18,185	1,060	401	587	.575	.66	
August	13,222	1,240	290	427	.419	.48	
September	33,726	10,300	270	1,124	1.10	1.23	
Water year 1934-35	492,307	15,500	208	1,349	1.32	17.92	

Roanoke River at Altavista, Va.

Location.- Water-stage recorder, lat. 37°6'21", long. 79°17'38", at highway-bridge a quarter of a mile south of Altavista, Campbell County. Zero of gage is 503.25 feet above mean sea level.

Drainage area.- 1,802 square miles.

Records available.- August 1930 to September 1935.

Extremes.- Maximum discharge during year, 37,600 second-feet Dec. 1 (gage height, 26.01 feet); minimum, 451 second-feet Nov. 18 (gage height, 2.59 feet).
1930-35: Maximum discharge, 46,500 second-feet (revised) Oct. 18, 1932 (gage height, 29.30 feet); minimum, 94 second-feet Jan. 31, 1934 (gage height, 1.66 feet).

Remarks.- Records good except those for Dec. 22, 24-29, Dec. 31 to Jan. 6, Jan. 8, May 1, 2, which are fair and were estimated on basis of records for stations at Brookneal and Toshes and Pigg River near Toshes.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Dec. 1, June 10 to Aug. 23, Sept. 7-30

2.6	455	10.0	6,400
2.8	540	12.0	8,400
3.0	630	14.0	10,800
3.5	900	16.0	14,000
4.0	1,230	18.0	17,800
5.0	1,990	20.0	22,300
6.0	2,790	22.0	27,200
8.0	4,560	24.0	32,400

Table for Dec. 2 to June 9, Aug. 24 to Sept. 6

2.7	600	8.0	4,650
2.8	640	10.0	6,450
3.0	740	12.0	8,400
3.3	910	14.0	10,800
3.6	1,100	16.0	14,000
4.0	1,380	18.0	17,800
5.0	2,140	20.0	22,300
6.0	2,940	24.0	32,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,260	554	29,300	1,500	1,900	1,940	11,500	2,050	1,480	1,060	705	640
2	812	585	17,200	1,900	1,780	1,860	14,400	2,000	1,380	1,020	705	620
3	630	585	5,730	1,600	1,860	1,820	7,000	1,940	1,380	900	705	600
4	567	630	4,020	1,500	1,820	1,780	7,500	2,700	1,740	900	608	970
5	1,010	1,260	3,180	1,400	1,700	1,700	7,500	2,220	1,780	990	655	5,420
6	6,580	990	2,620	1,350	1,620	1,700	6,090	1,860	1,520	1,870	630	31,500
7	6,200	730	2,300	1,380	1,560	2,060	7,500	1,980	1,560	1,480	630	8,510
8	2,560	680	1,980	1,500	1,450	2,300	11,400	1,980	1,590	1,810	960	3,300
9	1,590	608	1,820	2,850	1,480	1,980	9,760	1,780	4,700	1,750	1,230	2,390
10	1,120	585	1,660	8,730	3,260	1,820	6,900	1,700	2,900	1,750	930	1,830
11	1,090	580	1,560	4,920	3,580	1,940	5,550	1,860	1,590	1,370	840	1,590
12	1,020	576	1,420	3,260	2,620	3,560	4,470	1,660	1,400	960	758	1,400
13	812	572	1,380	2,620	2,300	13,600	3,660	1,700	1,230	930	680	1,230
14	705	562	1,450	2,220	2,540	6,900	3,340	1,700	1,230	1,710	630	1,120
15	785	549	1,340	1,900	5,100	4,560	3,100	1,660	1,200	1,260	608	1,090
16	730	531	1,340	1,740	4,470	3,580	2,940	1,620	1,160	930	585	990
17	655	471	1,310	1,940	3,750	3,100	2,700	1,700	1,230	870	608	960
18	630	500	1,310	2,380	3,180	2,780	2,540	1,590	1,200	1,060	567	960
19	630	585	1,340	2,140	2,780	2,460	2,380	1,520	1,260	1,090	608	930
20	608	576	2,060	2,220	2,460	2,300	2,300	1,450	1,120	990	730	870
21	608	554	2,060	1,980	2,220	2,220	2,380	1,780	1,060	870	1,060	930
22	608	536	1,700	4,290	2,140	2,220	2,460	2,140	960	930	930	900
23	580	608	1,450	23,900	2,030	2,140	2,300	2,540	1,020	1,090	1,750	785
24	531	1,790	1,300	19,300	1,980	3,500	2,140	2,380	960	1,400	1,420	785
25	540	1,750	1,250	6,360	1,900	6,300	2,060	2,220	930	1,300	910	785
26	585	1,200	1,200	4,560	1,860	13,300	1,980	2,060	900	1,670	795	758
27	608	870	1,150	3,750	2,540	8,510	1,900	1,780	870	1,750	690	758
28	576	840	1,050	3,020	2,300	5,640	1,820	1,620	900	2,150	640	785
29	526	8,510	1,050	2,540	-	4,380	1,980	1,520	960	1,230	690	785
30	522	19,700	1,100	2,300	-	3,580	2,220	1,520	1,160	930	690	730
31	531	-	1,200	2,060	-	3,750	-	1,520	-	812	665	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	36,209	6,580	522	1,168	0.648	0.75	
November	49,067	19,700	471	1,636	.908	1.01	
December	98,830	29,300	1,050	3,188	1.77	2.04	
Calendar year 1934	519,109	29,300	230	1,422	.789	10.70	
January	123,110	23,900	1,350	3,971	2.20	2.54	
February	68,170	5,100	1,450	2,435	1.35	1.41	
March	119,280	13,600	1,700	3,848	2.14	2.47	
April	143,770	14,400	1,820	4,792	2.66	2.97	
May	57,750	2,700	1,450	1,863	1.03	1.19	
June	42,370	4,700	870	1,412	.784	.87	
July	38,832	2,150	812	1,252	.695	.80	
August	24,612	1,750	567	794	.441	.51	
September	74,921	31,500	600	2,497	1.39	1.55	
Water year 1934-35	876,921	31,500	471	2,403	1.33	18.11	

Roanoke River at Brookneal, Va.

Location.- Water-stage recorder, lat. 37°2'22", long. 78°56'41", at highway bridge at Virginian Railway station at Brookneal, Campbell County, 2⅝ miles above Falling River. Zero of gage is 351.14 feet above mean sea level.

Drainage area.- 2,420 square miles.

Records available.- April 1923 to September 1935.

Average discharge.- 12 years, 2,140 second-feet.

Extremes.- Maximum discharge observed during year, 42,000 second-feet Sept. 6 (gage height, 29.70 feet); minimum, 599 second-feet Nov. 18 (gage height, 3.34 feet). 1923-35: Maximum discharge, 68,300 second-feet (revised) Aug. 12, 1928 (gage height, 37.15 feet); minimum (estimated), 191 second-feet Sept. 2, 1932.

Remarks.- Records good. Estimates based on records for stations at Altavista and Clover.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,790	704	28,600	1,930	2,220	2,460	13,000	2,710	1,800	1,230	1,080	*800
2	1,160	730	32,500	2,480	2,020	2,220	20,200	2,540	1,690	1,520	1,140	*750
3	922	758	8,920	2,320	2,140	2,140	9,820	2,460	1,620	1,290	1,350	745
4	840	840	5,110	2,000	2,060	2,060	9,100	2,890	3,070	1,140	1,110	990
5	1,440	1,220	3,940	1,860	2,020	1,980	9,340	3,250	2,800	1,230	1,290	*7,160
6	7,580	1,410	3,140	1,720	1,860	1,980	7,680	2,540	2,300	2,060	960	42,000
7	9,320	1,010	2,720	1,720	1,800	2,380	9,340	2,800	1,900	2,380	875	*11,000
8	3,850	868	2,480	1,760	1,720	2,540	15,100	2,800	1,720	1,660	1,260	*8,500
9	2,480	812	2,320	2,580	1,690	2,380	14,100	2,460	5,920	2,540	2,300	*5,700
10	1,860	785	2,160	9,100	3,900	2,540	8,990	2,300	4,700	*2,400	1,480	2,490
11	1,580	758	1,930	6,200	5,100	2,300	7,020	2,460	2,460	*1,850	1,200	*2,050
12	1,410	785	1,790	4,210	3,610	3,200	6,030	2,220	2,020	*1,450	1,260	*1,900
13	1,320	758	1,580	3,220	2,980	18,300	5,600	2,140	1,830	*2,350	1,020	*1,750
14	1,160	730	1,510	2,800	3,250	11,200	5,000	2,220	1,660	*2,450	902	*1,600
15	1,070	730	1,580	2,400	6,360	6,250	4,500	2,140	1,660	*1,700	875	*1,500
16	1,070	704	1,580	2,240	5,810	*5,100	4,100	2,140	1,580	1,260	875	1,440
17	1,010	653	1,580	2,320	5,000	*4,300	3,800	2,140	1,550	1,260	848	1,340
18	950	614	1,580	2,720	4,200	*3,500	3,520	2,140	1,660	1,320	848	1,270
19	895	704	1,790	2,560	3,430	*3,000	3,430	1,940	1,620	2,140	902	1,270
20	895	758	2,800	2,800	2,980	*2,700	3,340	1,860	1,580	1,520	1,110	1,240
21	895	730	2,640	3,490	2,620	*2,500	3,340	2,300	1,440	1,290	*1,350	1,210
22	868	704	2,080	4,570	2,300	*2,400	3,610	2,890	1,380	1,200	*1,400	1,150
23	868	704	1,860	19,000	2,300	2,460	3,340	2,460	1,410	1,440	*1,200	1,090
24	812	1,510	1,720	27,400	2,300	3,430	2,980	2,380	1,320	1,760	*1,700	1,060
25	758	2,240	1,680	8,700	2,140	5,920	2,890	2,620	1,260	2,060	*1,700	1,030
26	758	1,540	1,680	5,300	2,220	13,500	2,710	2,620	1,170	2,460	*1,200	1,000
27	*850	1,220	1,680	4,200	3,610	11,900	2,620	2,300	1,170	2,140	875	1,000
28	*850	1,100	1,540	3,430	3,070	7,240	2,540	1,980	1,140	2,620	*800	1,090
29	*750	5,340	1,540	2,890	-	5,500	2,540	1,860	1,200	1,830	*800	1,120
30	653	23,700	1,580	2,540	-	4,400	2,620	1,860	1,520	1,350	*850	1,030
31	653	-	1,510	2,460	-	4,700	-	2,300	-	1,170	*850	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	51,327	9,320	653	1,656	0.684	0.79	
November	55,119	23,700	614	1,837	.759	.85	
December	129,120	32,500	1,510	4,165	1.72	1.98	
Calendar year 1934	690,219	32,500	470	1,891	.781	10.59	
January	143,020	27,400	1,720	4,614	1.91	2.20	
February	84,710	6,360	1,690	3,025	1.25	1.30	
March	146,480	18,300	1,980	4,725	1.95	2.25	
April	192,200	20,200	2,540	6,407	2.65	2.96	
May	73,720	3,250	1,860	2,378	.983	1.13	
June	58,150	5,920	1,140	1,938	.801	.89	
July	54,070	2,620	1,140	1,744	.721	.83	
August	35,410	2,300	800	1,142	.472	.54	
September	106,265	42,000	745	3,542	1.46	1.63	
Water year 1934-35	1,129,591	42,000	614	3,095	1.28	17.35	

*Estimated.

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Roanoke River near Clover, Va.

Location.- Water-stage recorder, lat. 36°50'17", long. 78°40'2", at highway bridge 3½ miles below mouth of Roanoke Creek and 6 miles east of Clover, Halifax County.

Drainage area.- 3,230 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum discharge during year, 46,500 second-feet Dec. 3 (gage height, 21.95 feet); minimum, 969 second-feet Sept. 4 (gage height, 1.86 feet).
1929-35: Maximum discharge, 54,300 second-feet Oct. 19, 1932 (gage height, 23.19 feet); minimum, 204 second-feet Sept. 3, 1932 (gage height, 0.50 foot).

Remarks.- Records excellent.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.8	922	12.0	13,000
2.0	1,080	14.0	16,500
2.3	1,330	15.0	18,600
2.6	1,600	16.0	21,000
3.0	2,000	17.0	23,700
3.5	2,500	18.0	26,900
4.0	3,020	19.0	30,600
5.0	4,120	20.0	35,100
6.0	5,230	21.0	40,500
8.0	7,630	22.0	46,500
10.0	10,200		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,600	1,040	33,200	3,570	3,350	3,900	11,600	3,020	2,700	1,800	1,460	1,040
2	2,150	1,080	41,100	4,340	3,130	3,350	21,500	3,020	2,200	1,600	1,330	984
3	1,560	1,080	41,100	3,900	3,020	3,130	23,400	2,910	2,050	1,800	1,750	984
4	1,280	1,120	17,600	3,240	3,130	3,020	12,800	3,240	2,700	1,460	1,900	1,040
5	1,330	1,460	6,790	2,800	3,020	2,800	11,300	3,680	4,010	1,460	1,750	2,890
6	5,240	1,950	5,350	2,600	2,800	2,800	10,200	3,240	3,460	2,000	1,600	14,600
7	15,200	1,750	4,560	2,500	2,600	3,240	10,200	3,130	2,600	3,020	1,240	28,400
8	9,540	1,420	4,010	2,600	2,600	3,680	15,800	3,570	2,400	2,400	1,380	31,000
9	4,120	1,280	3,680	2,700	2,500	3,460	21,500	3,130	5,550	2,500	2,700	8,520
10	2,700	1,200	3,350	8,030	5,600	3,130	17,800	2,800	8,640	3,790	2,600	4,340
11	2,200	1,200	3,130	10,600	7,990	3,130	9,940	2,800	5,110	3,350	1,850	3,460
12	2,000	1,200	2,910	6,310	6,430	3,900	7,750	2,800	3,130	2,450	1,510	2,910
13	1,850	1,200	2,700	4,670	4,560	14,300	7,030	2,500	2,600	1,900	1,510	2,600
14	1,560	1,160	2,600	3,900	4,010	22,000	6,190	2,450	2,300	3,130	1,240	2,300
15	1,420	1,160	2,600	3,460	7,030	12,800	5,470	2,500	2,150	3,240	1,200	2,050
16	1,420	1,120	2,500	3,130	8,640	6,670	4,890	2,500	2,000	2,250	1,160	1,950
17	1,380	1,120	2,450	3,240	7,270	5,350	4,560	2,500	1,950	1,650	1,120	1,800
18	1,330	1,040	2,400	3,350	6,430	4,560	4,230	2,500	1,900	1,850	1,160	1,650
19	1,240	1,000	3,020	3,570	5,000	4,010	4,010	2,400	2,000	2,150	1,200	1,600
20	1,240	1,120	4,670	4,010	4,230	3,790	3,900	2,250	2,100	2,500	1,460	1,600
21	1,200	1,160	4,670	4,780	3,790	3,570	3,900	3,020	1,900	1,750	1,800	1,510
22	1,160	1,120	3,680	5,350	3,460	3,460	4,340	3,680	1,850	1,510	1,850	1,460
23	1,160	1,160	3,130	11,800	3,240	3,350	4,230	3,460	1,800	1,510	1,600	1,420
24	1,120	2,000	2,800	23,400	3,130	3,680	3,680	2,910	1,750	1,750	2,300	1,330
25	1,080	2,800	2,600	29,800	3,020	6,190	3,460	3,130	1,600	2,700	2,350	1,280
26	1,040	2,700	2,910	12,300	2,910	12,400	3,240	3,350	1,510	2,600	1,600	1,240
27	1,120	2,050	2,800	6,670	4,450	17,800	3,130	3,020	1,380	4,340	1,280	1,240
28	1,120	1,700	2,600	5,350	5,000	12,300	3,020	2,600	1,460	3,790	1,120	1,420
29	1,080	7,100	2,450	4,450	-	7,510	2,910	2,350	1,460	3,350	1,080	1,510
30	1,040	20,000	2,450	4,120	-	5,830	2,910	2,300	1,600	2,100	1,120	1,380
31	1,000	-	2,400	3,790	-	5,710	-	3,020	-	1,650	1,120	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	73,480	15,200	1,000	2,370	0.734	0.85	
November	66,490	20,000	1,000	2,216	.686	.77	
December	222,210	41,100	2,400	7,168	2.22	2.56	
Calendar year 1934	1,012,620	41,100	638	2,774	.859	11.66	
January	194,330	29,800	2,500	6,269	1.94	2.24	
February	122,340	8,640	2,500	4,369	1.35	1.41	
March	194,820	22,000	2,800	6,285	1.95	2.25	
April	248,890	23,400	2,910	8,296	2.57	2.87	
May	89,780	3,680	2,250	2,896	.897	1.03	
June	77,860	8,640	1,380	2,595	.803	.90	
July	73,350	4,340	1,460	2,366	.733	.85	
August	48,340	2,700	1,080	1,559	.483	.56	
September	129,508	31,000	984	4,317	1.34	1.50	
Water year 1934-35	1,541,398	41,100	984	4,223	1.31	17.79	

Roanoke River at Clarksville, Va.

Location.- Water-stage recorder, lat. 36°37'40", long. 78°33'4", at highway bridge in Clarksville, Mecklenburg County, 500 feet above confluence of Roanoke and Dan Rivers.

Drainage area.- 7,320 square miles.

Records available.- December 1934 to September 1935.

Extremes.- Maximum discharge during period, 60,300 second-feet Jan. 25 (gage height, 11.86 feet); minimum, 1,750 second-feet Sept. 3 (gage height, 1.52 feet); minimum daily discharge, 1,960 second-feet Sept. 3.

Remarks.- Records excellent. Some regulation of low-water flow by operation of cotton mills at Danville and by power plant on Banister River. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.5	1,710	4.0	9,140
1.6	1,910	5.0	13,000
1.8	2,340	6.0	17,200
2.0	2,810	7.0	21,730
2.3	3,590	8.0	27,000
2.6	4,450	9.0	33,500
3.0	5,690	10.0	41,400
3.5	7,350	11.0	50,800
		12.0	61,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			-	10,600	7,020	10,100	25,500	7,470	6,610	3,380	3,260	2,180
2			-	13,700	6,490	8,100	40,100	7,520	5,080	2,960	3,020	2,200
3			-	12,900	6,390	7,130	43,200	6,640	4,430	4,580	2,850	1,960
4			-	10,100	6,540	6,900	26,600	6,570	4,500	3,720	3,420	1,980
5			-	7,260	6,840	6,720	19,600	6,880	7,460	3,140	3,330	3,820
6			-	6,100	6,260	6,760	17,200	6,720	7,980	4,330	3,160	21,800
7			-	5,890	5,660	7,760	17,400	6,540	6,380	5,660	2,700	38,700
8			-	5,760	5,570	8,940	32,300	7,810	5,410	5,720	3,000	42,700
9			-	6,070	5,540	9,040	41,400	7,370	7,220	4,490	4,900	19,100
10			-	13,000	9,750	7,660	35,600	6,460	12,500	6,860	5,520	9,380
11			-	20,600	14,500	7,030	21,000	6,740	9,580	8,000	4,260	9,380
12			-	13,000	13,200	8,650	16,200	6,360	6,160	5,920	3,130	7,080
13			-	9,560	9,460	30,000	15,000	6,020	4,900	4,460	2,860	5,170
14			-	7,980	9,330	47,000	12,900	6,120	4,400	4,860	2,560	4,460
15			-	7,260	16,200	41,400	11,400	6,250	4,400	6,920	2,600	3,880
16			-	6,560	24,700	17,200	10,600	6,350	4,420	6,180	2,300	3,460
17			-	6,920	17,900	11,900	9,560	6,100	4,740	5,680	2,290	3,520
18			-	7,170	14,400	10,300	9,030	5,790	4,120	6,010	2,180	3,260
19			-	7,100	12,000	9,250	8,440	5,450	4,500	7,280	2,290	3,200
20			-	8,780	9,840	8,540	8,300	5,220	4,200	8,410	2,460	3,100
21			-	11,600	8,600	8,400	9,450	7,160	4,130	6,860	4,540	2,900
22			-	12,200	7,830	8,140	13,500	8,790	3,760	4,230	5,660	2,960
23			-	22,600	7,320	7,620	14,700	8,620	3,930	3,990	4,080	2,630
24			5,660	44,400	6,800	9,960	12,700	7,010	3,680	3,780	3,480	2,540
25			5,450	55,900	6,740	17,000	10,200	6,940	3,210	4,520	6,550	2,440
26			5,550	28,800	6,740	28,200	8,120	7,340	3,260	5,210	4,040	2,370
27			6,700	13,500	8,260	39,700	7,360	7,020	3,080	8,020	3,240	2,530
28			5,540	10,700	11,100	32,300	7,100	6,030	2,970	9,880	2,320	2,900
29			5,390	9,240	-	18,400	6,660	5,380	3,160	7,580	2,340	3,060
30			5,200	8,100	-	13,800	7,440	4,880	3,050	5,230	2,240	2,730
31			5,080	7,690	-	13,000	-	6,550	-	3,840	2,140	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	-	-	-	-	-	-	
November	-	-	-	-	-	-	
December 24-31	44,670	6,700	5,080	5,584	0.763	0.23	
Calendar year							
January	411,040	55,900	5,760	13,260	1.81	2.09	
February	271,080	24,700	5,570	9,681	1.32	1.38	
March	466,800	47,000	6,720	15,060	2.06	2.38	
April	518,560	43,200	6,660	17,290	2.36	2.63	
May	206,100	8,790	4,880	6,648	.908	1.05	
June	153,220	12,500	2,970	5,107	.698	.78	
July	171,700	9,880	2,960	5,539	.757	.87	
August	102,920	6,650	2,140	3,320	.454	.52	
September	217,390	42,700	1,960	7,246	.990	1.10	
Water year							

Roanoke River at Roanoke Rapids, N. C.

Location.- Water-stage recorder, lat. 36°28'15", long. 77°38'5", 1½ miles below State highway bridge at Roanoke Rapids, Halifax County.
Drainage area.- 8,410 square miles.
Records available.- February 1930 to September 1935.
Extremes.- Maximum discharge during year, 93,000 second-feet Dec. 4 (gage height, 20.80 feet); minimum, 1,990 second-feet Nov. 1 (gage height, 2.81 feet); minimum mean daily discharge, 2,180 second-feet Nov. 1, Sept. 3.

1930-35: Maximum discharge, that of Dec. 4, 1934; minimum, 458 second-feet Sept. 21, 1932 (gage height, 1.25 feet); minimum mean daily discharge, 472 second-feet Sept. 21, 1932.

Maximum known stage, 31 feet (estimated) Nov. 26, 1877. Flood on Mar. 18, 1912, reached a stage of approximately 28.5 feet. Revised daily discharge for flood of March 1912 at former station at Old Gaston, N. C. is given in the table below.

Remarks.- Records good except those estimated by comparison with records at Clarksville, Va., and those during periods corrected for backwater Dec. 4-6, Apr. 3-5, 10-15, 23-25, Sept. 8-10, which are fair. Diurnal fluctuations during low stages from power operations above.

Revised high-water discharge in second-feet for flood of March 1912 at former station at Old Gaston, N. C.

Mar. 14	35,000	Mar. 17	147,000	Mar. 19	100,000
15	84,000	18	190,000	20	19,800
16	107,000				

Note.- Mean discharge for March 1912, 38,500 second-feet; discharge per square mile, 4.61 second-feet; run-off, 5.32 inches. The above figures supersede those published in Water-Supply Papers 322 and 352.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,250	2,180	76,800	6,820	*8,840	11,600	19,800	8,130	6,160	2,960	3,960	2,250
2	9,840	2,320	76,800	14,900	*8,840	10,500	38,900	8,040	6,530	3,110	3,440	2,250
3	6,700	2,320	85,100	14,900	8,520	8,520	44,800	7,880	5,180	3,140	3,050	2,180
4	4,950	2,540	91,800	13,400	8,200	7,570	38,800	6,980	4,500	4,970	2,700	2,390
5	3,960	2,700	51,200	10,500	8,040	7,420	24,000	6,840	4,220	3,740	3,050	2,410
6	3,440	2,960	16,400	7,720	8,200	7,120	20,500	7,120	6,780	3,390	3,140	19,200
7	7,660	3,340	10,900	6,560	7,570	7,270	19,200	6,980	7,570	4,170	3,050	31,600
8	21,100	4,390	9,170	6,170	6,980	8,740	23,600	6,840	6,350	5,420	2,780	39,400
9	18,800	3,540	8,520	6,300	6,840	9,500	45,000	7,880	5,420	5,660	2,700	34,900
10	10,900	2,960	7,880	8,040	7,420	9,170	43,600	7,420	7,170	6,980	4,410	16,000
11	7,420	2,700	7,270	15,800	*11,000	8,200	30,000	6,660	11,800	9,680	5,180	10,900
12	5,910	2,780	7,120	19,200	*15,000	7,650	20,500	6,840	9,080	8,200	4,170	9,840
13	4,720	2,540	*6,430	13,000	*14,000	15,200	17,200	6,430	6,150	6,040	3,050	7,570
14	4,500	2,540	*5,910	10,200	*10,000	37,400	15,700	6,170	4,950	5,640	2,870	6,040
15	4,280	2,460	5,660	8,200	*13,000	49,800	14,900	6,040	4,390	5,310	2,620	5,300
16	3,640	2,540	5,420	7,570	*20,000	39,300	13,700	6,170	4,280	6,840	2,460	4,610
17	3,340	2,540	5,540	7,120	*25,000	18,300	12,600	6,300	*4,400	6,710	2,390	3,960
18	3,240	2,460	5,060	7,420	*20,000	12,500	11,200	6,170	*4,700	8,080	2,320	3,740
19	3,240	2,540	5,180	7,570	*15,000	10,900	10,500	5,780	*4,500	6,980	2,320	3,440
20	3,050	2,320	10,000	7,720	11,900	9,840	9,500	5,660	*4,700	7,270	2,250	3,340
21	2,960	2,320	13,400	11,200	*10,500	9,500	10,900	6,230	*4,300	8,200	2,780	3,240
22	2,960	2,540	11,600	12,600	*9,500	9,500	20,700	8,040	*4,200	6,560	3,740	3,050
23	2,700	2,620	9,500	16,000	*8,520	9,840	17,600	9,170	*4,000	4,500	5,420	2,960
24	2,620	2,620	7,120	41,000	*8,400	9,530	14,500	8,520	*4,000	3,850	4,170	2,780
25	2,540	4,280	6,300	56,200	*8,300	13,500	13,000	7,120	3,440	3,640	3,340	2,620
26	2,620	5,780	5,910	57,300	*8,200	24,300	11,400	6,840	3,140	4,950	5,740	2,540
27	2,540	6,560	6,040	26,700	8,200	33,800	9,500	7,120	3,050	5,910	4,280	2,460
28	2,460	4,840	6,980	*14,100	9,620	42,600	8,200	6,980	2,960	8,200	3,340	3,050
29	2,460	11,500	5,910	*10,900	-	31,000	7,880	5,910	2,870	9,500	2,700	4,390
30	2,320	71,000	5,540	*9,840	-	18,400	7,420	5,420	3,050	7,270	2,870	3,540
31	2,320	-	5,540	*9,170	-	15,400	-	5,060	-	5,300	2,540	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	166,440	21,100	2,320	5,369	0.638	0.74	
November	168,730	71,000	2,180	5,624	.669	.75	
December	582,000	91,800	5,060	18,770	2.23	2.57	
Calendar year 1934	3,251,060	91,800	1,930	8,907	1.06	14.36	
January	464,120	57,300	6,170	14,970	1.78	2.05	
February	305,590	25,000	6,840	10,910	1.30	1.35	
March	513,870	49,800	7,120	16,580	1.97	2.27	
April	595,100	45,000	7,420	19,840	2.36	2.63	
May	212,740	9,170	5,060	6,863	.816	.94	
June	153,840	11,800	2,870	5,128	.610	.68	
July	182,170	9,680	2,960	5,876	.699	.81	
August	102,830	5,740	2,250	3,317	.394	.45	
September	241,950	39,400	2,180	8,065	.959	1.07	
Water year 1934-35	3,689,380	91,800	2,180	10,110	1.20	16.31	

*Estimated.

Blackwater River near Union Hall, Va.

Location.- Water-stage recorder, lat. 37°2'35", long. 79°41'7", at highway bridge at Kemps Ford, 3 miles (revised) above Gills Creek and 4 miles north of Union Hall, Franklin County. Zero of gage is 693.13 feet above mean sea level.

Drainage area.- 208 square miles.

Records available.- March 1925 to September 1935.

Average discharge.- 10 years, 192 second-feet.

Extremes.- Maximum discharge during year, 4,800 second-feet Sept. 6 (gage height, 9.36 feet); minimum, 68 second-feet Oct. 4 (gage height, 1.71 feet).
1925-35: Maximum observed discharge, 10,800 second-feet Aug. 11, 1928; minimum, 13 second-feet Sept. 20, 1932 (gage height, 1.42 feet).

Remarks.- Records excellent. Discharge estimated Mar. 10-13.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Jan. 23				Table for Jan. 24 to Sept. 30			
1.6	44	3.5	810	1.6	40	3.5	810
1.8	90	4.0	1,080	1.8	79	4.0	1,080
2.0	148	5.0	1,660	2.0	134	5.0	1,660
2.3	259	6.0	2,300	2.3	247	6.0	2,300
2.6	384	7.0	3,000	2.3	376	7.0	3,000
3.0	566	8.0	3,700	3.0	562	8.0	3,700

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	80	3,280	190	247	207	860	239	180	138	110	77
2	88	82	1,240	220	239	199	735	227	169	125	104	79
3	75	82	604	180	211	196	710	302	162	122	99	99
4	70	140	446	169	207	192	810	685	184	138	96	160
5	150	190	346	158	196	184	660	285	211	188	92	1,580
6	558	114	292	155	188	199	586	251	231	281	84	3,240
7	485	95	263	162	177	289	810	293	184	169	154	572
8	216	88	240	162	169	243	1,360	243	643	162	188	341
9	158	82	220	930	198	215	860	223	964	196	134	255
10	132	78	209	751	486	210	640	227	298	235	116	215
11	129	78	202	424	323	230	528	219	219	144	107	184
12	126	80	198	325	264	600	482	207	199	122	96	166
13	109	78	216	271	247	1,000	454	219	203	302	92	152
14	101	78	202	255	358	533	408	199	192	251	94	141
15	98	75	176	220	533	390	376	196	184	148	92	134
16	93	78	158	220	376	336	358	203	180	125	84	128
17	93	78	158	325	350	298	332	203	199	116	82	125
18	88	78	148	288	298	276	315	196	166	134	89	119
19	85	78	209	251	272	255	302	184	158	155	94	119
20	82	75	263	280	247	247	293	180	162	141	102	116
21	80	72	190	350	235	239	306	281	144	119	128	113
22	80	72	172	840	227	235	302	251	152	144	116	107
23	78	112	162	2,370	223	251	272	227	155	241	139	104
24	75	300	155	888	215	319	272	251	138	202	169	104
25	75	220	152	519	199	980	255	323	131	255	104	104
26	82	145	155	413	219	998	255	239	131	256	92	104
27	82	123	148	354	255	650	243	207	128	472	86	104
28	82	132	142	323	211	482	239	192	125	196	112	104
29	78	1,140	145	310	-	408	231	180	128	148	89	110
30	78	1,900	142	272	-	354	319	180	207	128	82	104
31	76	-	139	260	-	404	-	180	-	116	79	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	3,936	558	70	127	0.611	0.70	
November	6,023	1,900	72	201	.966	1.08	
December	10,772	3,280	139	347	1.67	1.92	
Calendar year 1934	60,508	3,280	42	166	.798	10.82	
January	12,835	2,370	155	414	1.99	2.29	
February	7,370	533	169	263	1.26	1.31	
March	11,819	1,000	184	381	1.83	2.11	
April	14,573	1,360	231	486	2.34	2.61	
May	7,492	685	180	242	1.16	1.34	
June	6,527	964	125	218	1.05	1.17	
July	5,569	472	116	183	.880	1.01	
August	3,305	188	79	107	.514	.59	
September	9,060	3,240	77	302	1.45	1.62	
Water year 1934-35	99,381	3,280	70	272	1.31	17.75	

Pigg River near Toshes, Va.

Location.- Water-stage recorder, lat. 36°59'1", long. 79°30'52", half a mile below Fryingpan Creek and 1.7 miles northwest of Toshes, Pittsylvania County. Zero of gage is 602.55 feet above mean sea level.

Drainage area.- 394 square miles.

Records available.- August 1930 to September 1935.

Extremes.- Maximum discharge during year, 6,430 second-feet Dec. 1 (gage height, 15.28 feet); minimum, 119 second-feet Oct. 24 (gage height, 3.04 feet).
1930-35: Maximum discharge, 11,700 second-feet (revised) Oct. 17, 1932 (gage height, 21.98 feet); minimum, 22 second-feet Aug. 31, 1932 (gage height, 2.32 feet).

Remarks.- Records good. Discharge estimated Nov. 18-22, 26-28, Mar. 24-26 on basis of records for station on Goose Creek.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to June 9				Table for June 10 to Sept. 30			
3.0	112	5.0	672	3.2	128	5.0	634
3.2	148	6.0	1,050	3.4	169	6.0	1,010
3.4	190	7.0	1,480	3.6	214	7.0	1,440
3.6	237	8.0	1,930	3.8	263	8.0	1,880
3.8	286	10.0	2,930	4.0	316	10.0	2,900
4.0	340	12.0	4,120	4.5	466	12.0	4,120
4.5	498	14.0	5,520			14.0	5,520

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	298	172	4,990	325	340	387	1,310	393	277	205	185	150
2	198	176	1,330	396	333	368	1,160	363	272	190	195	152
3	168	167	616	322	318	342	856	414	286	192	260	163
4	154	213	484	283	299	316	934	462	356	191	177	378
5	665	345	398	252	288	309	817	387	338	334	172	1,790
6	2,720	214	353	250	274	324	687	362	315	661	156	4,430
7	1,450	210	290	261	272	402	983	466	282	287	265	965
8	509	174	300	262	268	390	1,600	428	313	439	420	562
9	344	168	272	1,280	279	346	1,190	363	1,310	427	271	414
10	278	172	256	1,340	679	328	790	396	492	562	228	336
11	278	166	254	597	533	366	663	484	340	307	204	294
12	239	169	250	414	398	983	620	452	326	214	160	270
13	180	164	260	360	362	2,870	587	437	320	329	169	252
14	208	161	232	317	670	981	526	424	312	615	153	234
15	203	163	214	278	1,270	645	490	406	290	264	162	212
16	156	157	235	290	700	519	462	400	270	218	150	210
17	168	148	222	441	665	454	445	401	255	248	150	202
18	176	150	214	406	534	414	430	390	278	377	150	206
19	170	150	362	344	458	379	422	370	286	337	160	204
20	169	140	555	464	378	381	411	358	258	296	284	201
21	164	140	352	660	360	368	461	452	226	231	296	195
22	194	140	308	1,210	325	368	496	486	240	254	212	183
23	138	218	273	4,300	334	376	432	446	252	246	477	180
24	136	552	256	1,550	334	570	400	500	220	387	276	176
25	161	326	246	737	310	1,950	376	588	201	667	202	172
26	176	270	247	562	355	2,300	378	517	194	392	166	174
27	190	220	236	481	613	1,060	358	454	191	866	156	174
28	163	240	224	393	450	706	342	331	191	362	150	191
29	150	2,120	228	430	-	570	350	329	188	266	156	184
30	162	2,770	226	375	-	485	413	308	187	212	156	166
31	161	-	215	336	-	572	-	300	-	202	154	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	10,526	2,720	136	340	0.863	0.99	
November	10,575	2,770	140	352	.893	1.00	
December	14,898	4,990	214	481	1.22	1.41	
Calendar year 1934	108,160	4,990	66	296	.751	10.21	
January	19,916	4,300	250	642	1.63	1.88	
February	12,379	1,270	268	442	1.12	1.17	
March	20,829	2,870	309	672	1.71	1.97	
April	19,389	1,600	342	646	1.64	1.83	
May	12,867	588	300	415	1.05	1.21	
June	9,266	1,310	187	309	.784	.87	
July	10,780	868	190	348	.883	1.02	
August	6,472	477	150	209	.530	.61	
September	13,420	4,430	150	447	1.13	1.26	
Water year 1934-35	161,317	4,990	136	442	1.12	15.22	

Snow Creek at Sago, Va.

Location.- Water-stage recorder, lat. 36°53'50", long. 79°39'5", at highway bridge 200 feet below First Fork and 1 mile northwest of Sago, Franklin County.

Drainage area.- 60 square miles.

Records available.- October 1934 to September 1935.

Extremes.- Maximum discharge during period, 888 second-feet Jan. 23 (gage height, 9.83 feet); minimum, 13 second-feet Aug. 28 (gage height, 1.38 feet).

Remarks.- Records good except those estimated, which are fair. Estimates based on records for station on Pigg River.

Rating tables, water year (gage height, in feet, and discharge, in second-feet)

Table for Oct. 15 to Jan. 23 and June 9 to Sept. 30				Table for Jan. 24 to June 8			
1.4	14	3.5	176	1.6	30	3.5	179
1.6	23	4.0	225	1.8	43	4.0	225
1.8	36	5.0	327	2.0	57	5.0	327
2.0	50	6.0	438	2.3	79	6.0	438
2.3	72	7.0	558	2.6	103	7.0	558
2.6	96	8.0	680	3.0	135		
3.0	131						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	25	395	64	51	58	200	*55	37	20	22	15
2	-	24	88	52	50	56	119	*55	35	23	22	17
3	-	24	59	43	48	53	95	*50	40	21	22	17
4	-	37	52	39	46	50	99	48	59	32	18	47
5	-	28	44	34	44	49	82	43	43	69	21	269
6	-	24	40	37	44	51	83	46	43	59	17	373
7	-	23	37	37	42	65	131	66	37	33	22	88
8	-	23	36	38	43	52	202	49	158	35	61	72
9	-	22	34	265	47	47	123	45	168	38	33	58
10	-	22	33	108	104	*45	89	56	49	67	27	46
11	-	23	32	59	63	*60	77	54	40	32	24	38
12	-	22	37	46	56	*150	75	54	37	28	22	36
13	-	22	32	42	*60	*450	68	50	35	37	20	32
14	-	22	30	38	*100	100	61	46	31	46	20	31
15	24	22	29	34	*200	75	58	46	34	35	27	30
16	24	22	29	37	83	67	55	48	34	30	18	28
17	23	22	28	60	95	62	53	47	32	30	18	28
18	23	22	28	44	70	56	52	43	31	43	18	28
19	23	22	74	40	62	55	54	41	27	33	17	28
20	22	22	64	79	*60	57	49	42	27	28	36	27
21	22	22	43	96	*55	55	47	68	25	35	32	25
22	22	22	37	350	*55	57	56	47	44	38	23	23
23	21	64	33	642	55	63	*60	62	28	29	29	22
24	21	46	32	131	48	91	*55	73	25	44	20	22
25	21	29	31	77	46	268	*55	68	25	48	17	22
26	27	26	32	68	77	233	*50	50	24	48	16	21
27	23	26	30	62	96	118	49	45	23	37	16	22
28	22	54	29	54	63	87	*45	42	22	30	15	28
29	22	250	32	56	-	71	*50	40	24	27	17	23
30	23	387	30	51	-	64	*60	42	22	24	17	20
31	23	-	30	49	-	80	-	40	-	22	15	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October 15-31	386	27	21	22.7	0.378	0.24	
November	1,399	387	22	46.6	.777	.87	
December	1,560	395	28	50.3	.838	.97	
Calendar year							
January	2,832	642	34	91.4	1.52	1.75	
February	1,863	200	42	66.5	1.11	1.16	
March	2,845	450	45	91.8	1.53	1.76	
April	2,352	202	45	78.4	1.31	1.46	
May	1,561	73	40	50.4	.840	.97	
June	1,259	166	22	42.0	.700	.78	
July	1,121	69	20	36.2	.603	.70	
August	702	61	15	22.6	.377	.43	
September	1,536	373	15	51.2	.853	.95	
Water year							

*Estimated.

Goose Creek near Huddleston, Va.

Location.- Water-stage recorder, lat. 37°10', long. 79°32', a quarter of a mile above Haden Bridge, three-eighths of a mile above Rockcastle Creek, and 4 miles above Huddleston, Bedford County.
Drainage area.- 187 square miles.
Records available.- September 1930 to September 1935. March 1925 to September 1927 (gage heights only) at a site a quarter of a mile downstream.
Extremes.- Maximum discharge during year, 6,350 second-feet Sept. 5 (gage height, 17.53 feet); minimum, 36 second-feet Aug. 7 (gage height, 1.27 feet).
1930-35: Maximum discharge about 6,700 second-feet Oct. 17, 1932 (gage height, 18.15 feet); minimum, 3 second-feet Aug. 31, 1932, Jan. 30, 1934.
Remarks.- Records good except those estimated, Oct. 3-10, 17-20, 22-28, Dec. 5-8, 10-15, 1934, Jan. 30, 1935, and those above 3,000 second-feet, which are fair. Estimates based on comparison with records for stations on Pigg and Blackwater Rivers.

Daily discharge, in second-feet, for high-water periods in water year 1932-33

1932: Oct. 17	4,150	1932: Dec. 28	1,820	1933: Apr. 21	1,430
18	1,140	29	1,200		

Note.- Records for the above periods not previously published because of lack of definition of rating curve for high stages.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	48	3,310	158	156	142	2,520	140	106	85	53	43
2	51	53	934	142	164	137	1,060	134	102	85	51	46
3	45	48	538	119	164	132	780	142	97	78	53	68
4	45	154	411	109	147	124	532	204	391	72	51	94
5	150	90	300	97	124	122	652	145	156	92	45	2,740
6	500	59	260	106	119	134	596	142	132	103	40	2,140
7	450	51	230	104	109	175	1,260	150	112	90	43	438
8	200	50	200	102	106	140	1,620	137	153	143	122	257
9	130	47	182	1,060	114	124	900	129	318	156	83	181
10	90	48	160	739	674	119	620	134	137	175	60	142
11	77	50	150	411	353	145	498	142	116	94	90	116
12	69	47	140	286	254	766	453	124	109	78	56	102
13	59	45	160	216	203	1,510	394	142	106	104	46	83
14	56	47	150	177	311	636	336	129	102	106	45	74
15	55	44	130	145	522	423	301	129	104	81	51	72
16	50	45	102	142	336	341	272	129	104	70	42	70
17	55	45	99	160	309	278	237	129	102	68	43	68
18	55	45	90	137	231	226	217	119	139	81	43	70
19	50	47	196	124	189	186	203	114	119	81	53	72
20	50	47	236	150	161	175	192	114	147	66	94	70
21	48	47	145	258	145	161	214	209	102	60	65	66
22	50	47	126	804	137	150	209	147	109	66	56	62
23	45	108	109	3,210	137	184	178	124	94	116	225	62
24	45	142	102	1,000	127	257	170	132	85	72	63	60
25	45	71	99	573	119	962	161	153	83	112	60	60
26	45	50	102	438	132	1,270	156	129	78	118	53	62
27	50	45	95	370	198	690	147	119	76	122	51	64
28	50	45	90	283	145	468	145	114	83	81	50	66
29	44	2,020	95	243	-	379	153	109	145	64	48	64
30	45	1,960	88	200	-	309	161	112	88	56	46	62
31	45	-	88	172	-	615	-	124	-	51	45	-

Discharge, in second-feet, water years 1932-33 and 1934-35

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October 1932	7,837	4,150	24	253	1.35	1.56
November	9,245	921	87	308	1.65	1.84
December	8,587	1,820	42	277	1.48	1.71
Calendar year 1932	56,243	4,150	6	154	.824	11.19
January 1933	7,756	659	112	250	1.34	1.54
February	5,670	579	124	202	1.08	1.12
March	5,262	679	108	170	.909	1.05
April	10,817	1,430	121	361	1.93	2.15
May	5,152	395	96	166	.888	1.02
June	3,137	333	55	105	.561	.63
July	2,208	286	32	71.2	.381	.44
August	1,482	79	36	47.8	.256	.30
September	864	47	19	28.8	.154	.17
Water year 1932-33	68,017	4,150	19	186	.995	13.53
October 1934	2,822	500	44	91.0	0.487	0.56
November	5,645	2,020	44	188	1.01	1.13
December	9,117	3,310	88	294	1.57	1.81
Calendar year 1934	49,051	3,310	20	134	.717	9.75
January 1935	12,235	3,210	97	395	2.11	2.43
February	5,886	674	106	210	1.12	1.17
March	11,480	1,510	119	370	1.98	2.28
April	15,637	2,520	145	521	2.79	3.11
May	4,200	209	109	135	.722	.83
June	3,795	391	76	126	.674	.75
July	2,826	175	51	91.2	.488	.56
August	1,966	225	40	63.4	.339	.39
September	7,574	2,740	43	252	1.35	1.51
Water year 1934-35	83,183	3,310	40	228	1.22	16.53

Note.- Daily discharge for high-water periods Oct. 17, 18, Dec. 28, 29, 1932, and Apr. 21, 1933, published in this report completing the water year 1932-33.

Otter River near Altavista, Va.

Location.- Water-stage recorder, lat. 37°12', long. 79°17', 1¼ miles below Flat Creek and 6 miles north of Altavista, Campbell County.

Drainage area.- 372 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum discharge during year (estimated), 7,050 second-feet Sept. 6 (gage height, about 21.00 feet); minimum, 97 second-feet Sept. 1, 2 (gage height, 2.70 feet).

1929-35: Maximum discharge, about 7,140 second-feet Oct. 2, 1929 (gage height, 21.20 feet); minimum, 9 second-feet Sept. 1, 1932 (gage height, 1.71 feet).

Remarks.- Records fair. Estimated discharges based on records for stations on Goose Creek, Pigg River, and Blackwater River.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting control method used Sept. 17-23)

Table for Oct. 1 to Dec. 1, June 30 to Sept. 23

2.6	84	7.0	1,250
2.8	111	8.0	1,610
3.0	140	10.0	2,370
3.3	191	12.0	3,160
3.6	251	14.0	3,990
4.0	341	16.0	4,850
4.5	472	18.0	5,730
5.0	612	20.0	6,610
6.0	915		

Table for Dec. 2 to June 29, Sept. 24 to 30

2.8	134	6.0	926
3.0	166	7.0	1,250
3.3	222	8.0	1,610
3.6	282	10.0	2,370
4.0	372	12.0	3,160
4.5	496	14.0	3,990
5.0	632	16.0	4,850

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*220	115	5,420	371	372	420	3,860	326	236	*170	164	98
2	*150	117	3,410	396	360	396	2,180	315	214	*170	171	98
3	*140	117	*1,800	315	360	372	1,430	337	210	*160	187	122
4	*130	131	*1,000	282	348	348	1,500	420	1,060	*170	170	234
5	*500	259	*660	246	315	337	1,180	326	444	210	*140	2,160
6	*1,800	173	*550	260	315	360	896	326	348	461	*130	5,810
7	*1,000	138	*470	262	282	496	1,790	348	293	329	158	2,160
8	*400	130	*400	242	282	396	2,420	326	307	426	*290	979
9	*300	126	*350	1,090	293	348	1,760	304	982	366	178	569
10	*220	119	*320	1,330	886	326	*1,100	304	457	626	171	472
11	*210	128	*290	746	668	432	*660	337	348	292	182	405
12	*190	119	272	562	496	894	*560	293	304	247	*150	354
13	*180	112	282	470	432	3,300	*520	293	282	249	*140	306
14	*170	111	256	408	485	1,270	*480	293	252	513	*130	274
15	159	108	232	360	950	*750	*460	282	250	*250	*120	251
16	151	105	220	360	688	*560	*430	282	236	*200	*120	204
17	145	105	216	396	632	*500	*420	282	236	*190	*120	189
18	140	105	206	360	509	*460	*410	262	326	278	*120	175
19	136	104	342	315	444	*430	*400	244	262	652	151	160
20	134	110	483	396	408	*410	*400	250	212	210	189	171
21	132	108	348	646	372	*380	496	470	189	189	216	164
22	132	110	315	1,080	360	*360	535	360	228	180	206	159
23	131	158	272	4,170	360	*370	444	293	210	178	*450	151
24	128	392	248	2,400	348	*440	420	326	179	226	255	150
25	125	240	238	1,210	326	973	408	384	177	245	195	148
26	125	170	242	866	387	1,830	384	304	173	306	136	147
27	125	156	226	674	766	1,110	372	272	168	317	119	150
28	124	153	206	548	470	806	360	262	164	251	108	163
29	119	2,240	218	483	-	632	360	256	224	208	107	168
30	118	3,240	206	457	-	548	372	248	*180	187	105	158
31	117	-	191	408	-	1,020	-	304	-	171	104	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off: Inches	Run-off: Acre-feet
October	7,851	1,800	117	253	0.680	0.78	
November	9,499	3,240	104	317	.852	.95	
December	19,889	5,420	191	642	1.73	1.99	
Calendar year 1934	110,959	5,420	56	304	.817	11.10	
January	22,109	4,170	242	713	1.92	2.21	
February	12,914	950	282	461	1.24	1.29	
March	21,274	3,300	326	686	1.84	2.12	
April	27,007	3,860	360	900	2.42	2.70	
May	9,629	470	244	311	.836	.96	
June	9,151	1,060	164	305	.820	.91	
July	8,627	652	160	278	.747	.86	
August	5,182	450	104	167	.449	.52	
September	16,769	5,810	98	559	1.50	1.67	
Water year 1934-35	169,901	5,810	98	465	1.25	16.96	

*Estimated.

Falling River near Naruna, Va.

Location.- Chain gage, lat. 37°7', long. 78°58', at highway bridge 2 miles above mouth of Little Falling River and 2½ miles northeast of Naruna, Campbell County.

Drainage area.- 172 square miles.

Records available.- July 1929 to January 1935 (discontinued).

Extremes.- Maximum discharge observed during period, 4,500 second-feet Dec. 1 (gage height, 14.78 feet); minimum, 39 second-feet Oct. 3, 4 (gage height, 2.64 feet). 1929-35: Maximum observed discharge, that of Dec. 1, 1934; minimum, 3 second-feet Oct. 9, 1932 (gage height, 2.18 feet).

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.6	35	5.0	664
2.8	59	5.5	824
3.0	92	6.0	984
3.2	139	7.0	1,320
3.4	192	8.0	1,670
3.6	248	9.0	2,050
3.8	304	10.0	2,450
4.0	364	12.0	3,290
4.3	454	14.0	4,140
4.6	544	14.8	4,500

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	60	56	3,630	262								
2	45	55	424	248								
3	40	49	112	178								
4	44	157	99	132								
5	349	147	83	119								
6	3,370	62	79	234								
7	349	59	78	220								
8	178	60	78	160								
9	70	59	122	262								
10	99	54	87	319								
11	83	70	74	157								
12	71	64	94	119								
13	68	55	99	110								
14	66	66	90	116								
15	68	58	85	110								
16	59	54	90	-								
17	60	56	94	-								
18	60	47	88	-								
19	58	55	262	-								
20	62	54	248	-								
21	60	52	126	-								
22	58	56	101	-								
23	55	76	87	-								
24	54	92	93	-								
25	62	90	76	-								
26	72	87	165	-								
27	62	72	110	-								
28	52	76	90	-								
29	52	2,130	119	-								
30	55	2,370	94	-								
31	50	-	99	-								

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	5,891	3,370	40	190	1.10	1.27	
November	6,438	2,370	47	215	1.25	1.40	
December	7,166	3,630	74	231	1.34	1.54	
Calendar year 1934	57,288	3,630	32	157	.913	12.37	
January 1-15	2,746	319	110	183	1.06	.59	
February							
March							
April							
May							
June							
July							
August							
September							
Water year							

Falling River near Brookneal, Va.

Location.- Water-stage recorder, lat. 37°4'54", long. 78°56'7", 300 feet below Hat Creek and 2¼ miles north of Brookneal, Campbell County.

Drainage area.- 228 square miles.

Records available.- January to September 1935.

Extremes.- Maximum discharge during period, 13,200 second-feet Sept. 5 or 6 (gage height, 26.3 feet, from flood marks); minimum, 73 second-feet Aug. 28 (gage height, 2.17 feet).

Remarks.- Records good except those estimated Jan. 25-30, Sept. 5, 6, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				-	190	230	3,100	206	171	135	104	77
2				-	184	210	1,260	204	153	134	101	80
3				-	182	187	728	228	154	135	130	81
4				-	167	171	772	228	349	129	104	79
5				-	157	168	536	204	193	174	135	640
6				-	151	173	507	207	171	212	92	3,900
7				-	139	252	1,290	356	164	186	92	686
8				-	141	192	2,520	262	404	150	270	394
9				-	151	162	1,260	207	1,830	263	161	370
10				-	1,010	158	662	199	582	535	113	608
11				-	360	198	484	193	271	168	103	217
12				-	262	698	468	182	228	157	97	187
13				-	227	2,610	422	181	201	680	90	170
14				-	549	565	356	182	185	710	86	157
15				148	999	325	333	175	176	178	108	150
16				154	373	272	311	182	169	144	86	142
17				198	846	243	300	190	164	171	82	135
18				168	360	213	290	171	157	209	103	133
19				153	272	206	280	161	162	154	138	134
20				229	230	203	271	165	168	123	128	129
21				336	203	194	344	394	147	113	121	124
22				496	194	187	356	228	172	109	95	118
23				1,860	192	192	280	192	155	112	92	115
24				1,190	178	223	262	220	143	124	86	112
25				700	165	763	253	253	139	113	80	111
26				500	295	1,340	236	192	136	544	80	110
27				340	686	476	236	172	134	361	77	114
28				300	272	336	228	162	136	140	81	136
29				260	-	336	228	157	146	124	101	116
30				220	-	252	220	174	232	113	83	106
31				205	-	921	-	266	-	105	80	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October							
November							
December							
Calendar year							
January 15-31	7,447	1,860	148	438	1.92	1.21	
February	9,135	1,010	139	326	1.43	1.49	
March	12,656	2,610	158	408	1.79	2.06	
April	18,793	3,100	220	626	2.75	3.07	
May	6,493	394	157	209	.917	1.06	
June	7,592	1,830	134	253	1.11	1.24	
July	6,705	710	105	216	.947	1.09	
August	3,299	270	77	106	.465	.54	
September	9,631	3,900	77	321	1.41	1.57	
Water year							

Little Falling River at Hat Creek, Va.

Location.- Chain gage, lat. 37°6', long. 78°57', at highway bridge 1 mile northwest of Hat Creek, Campbell County, and 1 mile above mouth.

Drainage area.- 43 square miles.

Records available.- July 1929 to January 1935 (discontinued).

Extremes.- Maximum discharge observed during period, 1,320 second-feet Dec. 1 (gage height, 12.20 feet); minimum, 9 second-feet Oct. 3.
1929-35: Maximum observed discharge, 1,820 second-feet Mar. 6, 1932 (gage height, 15.12 feet); minimum, 1 second-foot several times in 1930, 1932, 1933, and 1934.

Remarks.- Records poor. Estimates based on records for station on Falling River near Naruna.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Dec. 2-8)

Table for Oct. 1 to Dec. 14				Table for Dec. 15 to Jan. 15			
2.4	5	4.5	184	2.4	23	4.0	149
2.6	16	5.0	242	2.6	36	4.5	198
2.8	29	6.0	369	2.8	50	5.0	251
3.0	43	7.0	508	3.0	64	5.5	309
3.3	67	8.0	655	3.3	88	6.0	372
3.6	93	10.0	966	3.6	113	6.5	438
4.0	131	12.0	1,290				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	15	982	64								
2	11	*15	*100	57								
3	9	23	45	54								
4	*10	*40	43	54								
5	982	23	40	50								
6	982	*15	35	*70								
7	*90	*15	35	*60								
8	51	*15	21	24								
9	*51	16	*30	50								
10	37	16	28	42								
11	32	*15	30	42								
12	30	15	33	*35								
13	29	15	33	*30								
14	*20	21	35	*30								
15	12	21	35	31								
16	11	20	*35	-								
17	15	20	35	-								
18	15	*15	35	-								
19	14	15	64	-								
20	12	15	60	-								
21	*15	14	35	-								
22	14	12	33	-								
23	12	59	*30	-								
24	*15	42	*25	-								
25	*15	*20	*25	-								
26	*20	11	35	-								
27	*20	12	*30	-								
28	*15	15	*25	-								
29	17	565	39	-								
30	16	480	*30	-								
31	16	-	28	-								

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	2,606	982	9	84.1	1.96	2.26	
November	1,595	565	11	53.2	1.24	1.38	
December	2,089	982	21	67.4	1.57	1.81	
Calendar year 1934	16,085	982	5	44.1	1.03	13.93	
January 1-15	693	70	24	46.2	1.07	.60	
February							
March							
April							
May							
June							
July							
August							
September							
Water year							

*Estimated.

Dan River near Francisco, N. C.

Location.- Water-stage recorder, lat. 36°30'15", long. 80°20'55", at county highway bridge just below Georges Mill, 3 miles east of Francisco, Stokes County, and 7.9 miles below Little Dan River.

Drainage area.- 119 square miles.

Records available.- August 1924 to September 1935.

Average discharge.- 10 years (1924-26, 1927-35), 176 second-feet.

Extremes.- Maximum discharge during year, 3,640 second-feet Dec. 1 (gage height, 6.05 feet); minimum, 78 second-feet Aug. 17 (gage height, 1.18 feet).
1924-35: Maximum discharge (estimated), 8,700 second-feet Dec.8, 1924 (gage height, 10.0 feet); minimum, 7.1 second-feet Sept. 8, 1932 (gage height, 0.43 foot).

Remarks.- Records good. Corrected for ice effect Dec. 12-15. Estimates based on comparison with other records in the vicinity. Slight diurnal fluctuation from operation of gristmills upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	48	3.0	820
1.2	82	3.5	1,170
1.4	125	4.0	1,590
1.6	178	4.5	2,050
1.8	243	5.0	2,550
2.0	320	5.5	3,080
2.3	445	6.0	3,640
2.6	590		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	200	123	2,090	284	209	212	364	233	178	102	150	102
2	158	123	650	229	212	206	336	216	170	120	148	100
3	142	114	436	200	219	200	296	209	170	120	140	100
4	130	263	372	184	209	194	288	209	269	167	130	104
5	125	203	312	170	197	203	276	194	229	230	123	210
6	862	145	265	161	194	226	284	203	200	409	114	909
7	421	130	254	187	187	312	312	243	178	284	114	318
8	250	123	236	184	184	236	404	226	170	184	120	236
9	203	118	219	615	194	216	372	197	216	250	120	216
10	181	118	212	414	288	216	336	209	172	254	125	187
11	194	123	197	292	226	233	304	223	*155	156	141	167
12	164	116	195	250	203	962	308	197	*150	138	138	156
13	145	114	190	229	216	632	296	243	*170	170	123	145
14	140	114	190	212	342	445	273	212	145	276	111	140
15	135	111	185	197	400	360	258	206	156	247	100	132
16	130	109	181	200	296	316	250	197	148	200	96	128
17	125	109	178	216	304	288	243	206	148	178	94	125
18	123	104	170	194	258	265	240	194	153	184	118	130
19	120	104	233	184	236	258	236	181	145	203	142	125
20	120	107	243	206	223	265	236	178	140	200	250	120
21	118	107	190	233	212	254	288	216	125	184	200	118
22	116	104	184	505	206	273	273	219	156	250	150	111
23	114	201	178	1,130	209	284	240	190	140	247	200	107
24	109	237	172	454	203	384	226	203	123	226	150	104
25	111	145	170	336	194	387	219	273	118	219	130	104
26	138	128	170	308	236	717	209	236	118	328	118	107
27	125	125	161	276	288	454	206	216	116	280	111	107
28	107	141	158	247	212	372	203	209	118	219	107	123
29	109	1,650	184	240	-	328	209	200	114	209	109	116
30	111	1,120	167	229	-	304	340	194	109	172	114	102
31	109	-	170	212	-	320	-	187	-	156	109	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	5,335	862	107	172	1.45	1.67	
November	6,529	1,650	104	218	1.83	2.04	
December	8,912	2,090	158	287	2.41	2.78	
Calendar year 1934	61,791	2,090	49	169	1.42	19.31	
January	8,998	1,130	170	290	2.44	2.81	
February	6,557	400	184	234	1.97	2.05	
March	10,522	962	194	339	2.85	3.29	
April	8,325	404	203	278	2.34	2.61	
May	6,519	273	178	210	1.76	2.03	
June	4,699	269	109	157	1.32	1.47	
July	6,562	409	102	212	1.78	2.05	
August	4,095	250	94	132	1.11	1.28	
September	4,949	909	100	165	1.39	1.55	
Water year 1934-35	82,002	2,090	94	225	1.89	25.63	

*Estimated.

Dan River at Leaksville, N. C.

Location.- Water-stage recorder, lat. 36°29'5", long. 79°45'30", at covered wagon bridge at Leaksville, Rockingham County, half a mile above Smith River.

Drainage area.- 1,150 square miles.

Records available.- July 1929 to September 1935.

Extremes.- Maximum discharge during year, 13,600 second-feet Dec. 1 (gage height, 14.78 feet); minimum, 355 second-feet Aug. 17 (gage height, 1.14 feet).
1929-35: Maximum discharge, 22,700 second-feet Oct. 18, 1932 (gage height, 24.94 feet); minimum, 84 second-feet Sept. 12, 1932 (gage height, 0.25 foot).

Remarks.- Records good except those estimated by comparison with other records in the basin, which are fair, and those above 10,000 second-feet, which are poor. Slight diurnal fluctuation caused by operation of power plants upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	290	5.0	2,920	11.5	10,700
1.3	435	6.0	3,760	12.0	11,200
1.6	600	7.0	4,750	12.5	11,680
2.0	835	8.0	6,000	13.0	12,160
2.5	1,145	9.0	7,500	13.5	12,600
3.0	1,470	9.5	8,300	14.0	13,000
3.5	1,820	10.0	9,080	14.5	13,400
4.0	2,170	10.5	9,690	15.0	13,780
4.5	2,545	11.0	10,200		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,550	567	12,400	*1,400	*1,000	1,340	4,080	1,340	955	540	644	462
2	1,050	606	8,680	*1,100	*1,100	1,240	4,370	1,140	835	578	611	457
3	895	611	2,760	*950	*1,100	1,210	2,300	1,080	805	673	584	430
4	805	600	1,960	*900	*1,050	1,140	1,890	1,020	1,260	578	584	462
5	775	978	1,610	*880	*1,000	1,080	1,720	1,020	1,440	691	584	1,250
6	2,150	865	1,310	*900	955	1,140	1,610	985	1,020	971	506	7,880
7	5,730	703	1,210	*900	955	1,400	1,830	1,190	895	895	526	3,960
8	1,870	633	1,140	*880	955	1,640	3,270	1,210	835	895	855	1,880
9	1,280	606	1,080	*2,000	925	1,340	3,220	1,050	877	733	739	1,210
10	1,050	594	1,050	*1,600	1,110	1,240	2,245	955	835	709	545	1,960
11	955	594	985	*1,300	1,470	1,210	1,890	1,020	835	895	550	1,110
12	985	611	*925	*1,100	1,240	2,190	1,720	1,020	751	775	567	865
13	895	594	*900	*1,000	1,110	13,000	1,680	1,190	835	999	578	751
14	805	578	*860	*980	2,320	5,830	1,540	1,280	895	805	506	685
15	751	584	*820	*960	8,220	2,600	1,400	1,380	1,120	1,110	479	655
16	715	556	*800	*960	3,260	2,030	1,340	1,210	1,050	895	430	628
17	685	562	*780	*1,050	2,170	1,750	1,280	1,110	865	697	390	584
18	661	550	*760	*960	1,890	1,580	1,210	1,080	895	835	410	550
19	650	572	*1,400	*960	1,580	1,440	1,210	955	865	1,780	698	545
20	650	567	*1,300	*1,200	1,400	1,400	1,210	955	763	1,270	1,860	550
21	633	550	*1,100	*1,800	1,280	1,400	1,510	1,170	745	835	1,270	512
22	611	562	*950	*4,000	1,210	1,310	2,760	1,390	673	703	775	512
23	606	578	*900	*11,000	1,210	1,280	1,730	1,080	733	835	1,320	506
24	594	1,390	*880	*5,000	1,210	1,960	1,400	1,020	715	835	1,680	474
25	584	1,080	*840	*1,800	1,180	2,440	1,280	1,240	628	835	703	440
26	606	769	*820	*1,500	1,110	8,780	1,210	1,280	584	985	584	474
27	600	691	*800	*1,400	1,900	5,330	1,140	1,050	578	2,700	484	457
28	594	673	*800	*1,300	1,780	2,660	1,110	955	572	1,420	452	490
29	572	2,340	*860	*1,200	-	2,170	1,080	895	584	925	468	545
30	567	9,090	*820	*1,100	-	1,820	1,180	1,020	572	835	484	572
31	567	-	*840	*1,000	-	1,820	-	1,020	-	709	462	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	31,441	5,730	567	1,014	0.882	1.02	
November	30,254	9,090	550	1,008	.877	.98	
December	52,340	12,400	760	1,688	1.47	1.70	
Calendar year 1934	460,337	13,900	200	1,261	1.10	14.90	
January	53,080	11,000	880	1,712	1.49	1.72	
February	45,690	8,220	925	1,632	1.42	1.48	
March	76,770	13,000	1,080	2,476	2.15	2.48	
April	55,415	4,370	1,080	1,847	1.61	1.80	
May	34,310	1,390	895	1,107	.963	1.11	
June	25,015	1,440	572	834	.725	.81	
July	28,941	2,700	540	934	.812	.94	
August	21,328	1,860	390	688	.598	.69	
September	31,856	7,880	430	1,062	.923	1.03	
Water year 1934-35	486,440	13,000	390	1,333	1.16	15.76	

*Estimated.

Dan River at Danville, Va.

Location.- Water-stage recorder, lat. 36°35'15", long. 79°22'55", at Southern Railway bridge in Danville, Pittsylvania County, 1,000 feet above Fall Creek.

Drainage area.- 2,050 square miles.

Records available.- August 1934 to September 1935.

Extremes.- Maximum discharge during period, 28,100 second-feet Dec. 1, 1934 (gage height, 12.32 feet); minimum, 82 second-feet Sept. 4, 1935 (gage height, 1.18 feet); minimum daily discharge, 572 second-feet Aug. 19, 1934.

Remarks.- Records excellent. Discharge estimated May 9, 10, 15, 16, 20. Flow regulated by operation of Dan River Cotton Mills above station. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Rating tables, water years 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used July 28 to Aug. 24, 1935)

Table for Aug. 16, 1934, to Aug. 24, 1935

1.8	420	4.0	3,960
2.0	580	5.0	6,220
2.3	880	6.0	8,720
2.6	1,270	7.0	11,400
3.0	1,950	8.0	14,400
3.5	2,920	10.0	20,600
		11.0	23,800

Table for Aug. 25 to Sept. 30, 1935

2.0	460	4.0	3,690
2.3	720	5.0	6,060
2.6	1,060	6.0	8,680
3.0	1,680	7.0	11,400
3.5	2,640		

Discharge, in second-feet, water year October 1933 to September 1934

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											-	822
2											-	813
3											-	712
4											-	718
5											-	704
6											-	1,660
7											-	9,710
8											-	4,760
9											-	2,080
10											-	1,370
11											-	1,100
12											-	876
13											-	1,360
14											-	1,830
15											-	2,170
16											877	11,400
17											692	19,800
18											752	6,840
19											572	3,820
20											1,290	4,360
21											874	2,500
22											600	1,720
23											644	1,590
24											1,190	1,680
25											2,940	1,490
26											4,120	1,260
27											3,700	1,260
28											1,870	1,810
29											1,090	2,320
30											964	6,920
31											1,000	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May						
June						
July						
August 16-31	23,175	4,120	572	1,448	0.706	0.42
September	99,455	19,800	704	3,315	1.62	1.81
Water year						

Dan River at Danville, Va.

(Continued)

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,520	1,000	23,600	3,460	2,000	2,590	6,230	2,680	1,950	851	1,080	756
2	2,220	988	15,600	4,350	1,820	2,220	8,280	2,160	1,490	1,190	1,040	636
3	1,690	1,190	5,500	3,420	1,940	2,070	4,690	1,740	1,660	1,580	977	632
4	1,450	1,070	3,930	2,500	2,230	2,150	3,770	1,730	2,490	1,290	1,030	932
5	1,580	1,630	3,200	2,030	1,920	2,080	3,380	1,960	2,890	1,450	886	2,140
6	2,250	1,740	2,760	1,960	1,900	2,050	2,850	2,040	2,160	1,700	947	9,670
7	8,480	1,320	2,360	1,980	1,810	2,610	3,830	2,440	1,880	1,660	935	8,700
8	4,200	1,050	2,080	1,980	1,810	3,160	6,080	2,290	1,610	1,670	1,360	3,800
9	2,360	1,190	1,900	3,320	1,580	2,500	6,600	2,100	1,620	1,620	1,540	2,430
10	1,970	1,080	2,080	7,340	2,580	2,010	4,570	2,400	2,360	2,110	1,010	3,340
11	1,690	1,030	2,000	4,340	3,380	2,250	3,840	2,310	1,620	1,830	1,070	2,120
12	1,590	1,020	1,680	3,000	2,420	3,390	3,470	1,900	1,540	1,420	825	1,370
13	1,440	1,150	1,500	2,360	2,190	17,300	3,040	2,400	1,490	1,640	880	1,310
14	1,400	1,010	1,170	2,440	3,920	12,400	2,980	2,370	1,810	1,800	908	1,060
15	1,280	998	1,630	2,090	11,200	4,840	3,050	2,600	1,740	2,220	838	1,120
16	1,350	1,020	1,540	1,920	5,960	3,410	2,650	2,300	1,930	1,710	822	1,060
17	1,200	932	1,740	2,010	3,860	3,120	2,540	2,260	1,600	1,950	723	1,100
18	1,110	953	1,720	1,970	3,520	2,940	2,410	1,710	1,830	3,120	810	1,030
19	1,120	1,080	2,020	1,800	2,860	2,580	2,380	1,700	1,640	3,640	614	1,020
20	1,150	1,050	3,160	2,120	2,520	2,510	2,100	1,700	1,360	2,580	2,030	917
21	1,060	1,030	2,760	3,000	2,350	2,550	2,650	2,620	1,510	1,640	2,410	894
22	1,010	1,060	2,010	2,840	2,210	2,480	4,430	2,760	1,330	1,570	1,390	796
23	1,160	1,260	1,910	12,400	1,910	2,460	3,590	2,170	1,350	1,640	1,440	885
24	1,030	2,120	1,740	13,200	2,240	3,810	2,760	2,160	1,270	1,600	3,260	864
25	1,060	2,260	1,750	5,090	2,180	5,250	2,420	2,560	1,250	1,820	1,300	882
26	1,070	1,620	1,990	3,540	2,150	11,500	2,360	2,440	1,240	2,600	1,010	812
27	1,050	1,350	1,670	3,010	3,280	10,300	2,080	2,420	1,210	4,040	818	857
28	1,120	1,330	1,810	2,840	3,500	5,060	1,970	1,790	1,060	2,480	734	767
29	916	3,440	1,580	2,290	-	4,010	2,250	1,770	1,030	1,720	742	928
30	1,020	11,500	1,680	2,340	-	3,260	2,380	1,800	1,260	1,440	796	869
31	974	-	1,740	2,250	-	3,500	-	2,030	-	1,300	780	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	54,520	8,480	916	1,759	0.858	0.99
November	49,471	11,500	932	1,649	.804	.90
December	101,810	23,600	1,170	3,284	1.60	1.84
Calendar year						
January	109,190	13,200	1,800	3,522	1.72	1.98
February	81,240	11,200	1,580	2,901	1.42	1.48
March	132,360	17,300	2,010	4,270	2.08	2.40
April	105,640	8,280	1,970	3,521	1.72	1.92
May	67,510	2,760	1,700	2,171	1.06	1.22
June	49,170	2,890	1,030	1,639	.800	.89
July	58,881	4,040	851	1,899	.926	1.07
August	35,005	3,260	614	1,129	.551	.64
September	53,697	8,670	632	1,790	.873	.97
Water year 1934-35	898,294	23,600	614	2,461	1.20	16.30

Dan River at South Boston, Va.

Location.- Water-stage recorder, lat. 36°41'37", long. 78°54'9", at Norfolk & Western Railway bridge at South Boston, Halifax County, 6 miles above Banister River. Zero of gage is 300.07 feet above mean sea level.

Drainage area.- 2,730 square miles.

Records available.- August 1900 to May 1907, April 1923 to September 1935.

Average discharge.- 17 years (1900-1902, 1903-6, 1923-35), 2,810 second-feet.

Extremes.- Maximum discharge during year, 26,100 second-feet Dec. 2 (gage height, 24.47 feet); minimum, 447 second-feet Sept. 2 (gage height, 3.96 feet); minimum daily discharge, 740 second-feet Aug. 20.
1900-1907, 1923-35: Maximum observed discharge, 52,600 second-feet Dec. 31, 1901 (gage height, 25.2 feet, old datum); minimum, 161 second-feet Sept. 20, 1932 (gage height, 3.11 feet); minimum daily discharge, 208 second-feet Sept. 15, 1932.

Remarks.- Records good except those for Oct. 14 to Nov. 3, Nov. 9-23, Dec. 11-19, which are fair and were estimated on basis of records for station at Danville. Water supply for South Boston diverted just above gage. Dams and mills at Danville regulate low-water flow to some extent.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Mar. 14

5.5	1,060	14.0	8,880
6.0	1,320	16.0	11,600
7.0	1,940	18.0	14,600
8.0	2,670	20.0	17,900
10.0	4,400	22.0	21,500
12.0	6,480	24.0	25,200

Table for Mar. 15 to Sept. 30

4.6	730	8.0	2,820
4.8	824	10.0	4,540
5.0	920	12.0	6,520
5.5	1,180	14.0	8,880
6.0	1,450	16.0	11,600
7.0	2,090	18.0	14,600

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,410	1,120	21,100	3,800	2,310	3,660	7,300	3,020	2,180	1,310	1,460	1,010
2	2,990	1,150	24,700	6,280	2,180	2,750	13,100	2,960	2,080	949	1,260	958
3	1,850	1,100	23,600	5,900	2,080	2,450	11,700	2,560	1,740	1,300	1,190	742
4	1,490	1,430	6,950	3,630	2,230	2,180	6,120	2,500	1,780	1,560	1,140	835
5	1,600	1,260	4,120	2,640	2,320	2,260	4,760	2,110	2,900	1,470	1,170	1,600
6	2,140	1,880	3,380	2,240	2,050	2,340	4,200	2,300	2,920	1,820	1,010	7,180
7	6,500	1,730	2,830	2,000	1,940	2,670	4,570	2,470	2,180	2,080	1,100	14,000
8	8,900	1,400	2,520	2,100	1,860	3,350	8,650	2,880	1,940	1,720	1,830	8,920
9	3,790	1,250	2,360	2,240	1,860	3,580	11,500	2,630	2,140	1,800	1,800	4,160
10	2,480	1,390	2,000	6,680	2,080	2,580	8,860	2,420	1,980	2,120	1,840	3,480
11	2,080	1,270	2,400	7,910	3,200	2,320	5,750	2,640	2,130	2,160	1,200	4,670
12	1,880	1,200	2,300	4,410	3,760	3,260	4,860	2,550	1,700	1,980	1,230	2,870
13	1,780	1,200	1,950	3,420	2,710	14,200	4,660	2,320	1,590	1,580	934	1,900
14	1,670	1,340	1,750	2,520	2,840	20,600	4,180	2,840	1,570	2,210	1,010	1,750
15	1,600	1,200	1,370	2,480	8,280	15,600	3,660	2,720	1,920	2,120	1,090	1,450
16	1,480	1,200	1,900	2,200	14,000	5,480	3,450	3,040	2,020	2,190	944	1,400
17	1,550	1,200	1,800	2,270	7,220	4,190	3,090	2,540	1,940	2,140	920	1,340
18	1,420	1,100	2,000	2,300	4,870	3,300	2,920	2,400	1,830	2,820	872	1,320
19	1,290	1,100	1,950	2,250	4,100	3,280	2,810	2,110	1,920	4,660	988	1,270
20	1,300	1,270	3,480	2,800	3,320	3,160	2,760	2,080	1,740	4,950	740	1,240
21	1,300	1,200	4,140	3,690	2,840	3,210	3,000	2,560	1,520	3,040	2,870	1,180
22	1,200	1,200	2,920	4,020	2,560	3,080	5,260	3,260	1,680	1,820	2,600	1,130
23	1,150	1,500	2,320	8,740	2,440	3,180	7,020	3,440	1,520	1,700	1,590	996
24	1,370	1,920	1,860	18,600	2,220	4,520	4,280	2,640	1,520	1,820	2,170	1,030
25	1,200	2,850	1,830	16,300	2,300	7,290	3,310	2,620	1,320	1,740	3,000	987
26	1,240	2,120	1,920	5,870	2,320	13,400	2,970	3,020	1,350	2,240	1,530	1,040
27	1,250	1,610	2,020	4,420	2,640	17,500	2,850	2,680	1,320	4,120	1,190	974
28	1,220	1,500	1,770	3,200	3,940	10,500	2,620	2,440	1,270	4,920	1,020	1,070
29	1,300	5,400	1,910	2,950	-	5,760	2,400	2,070	1,200	2,700	954	1,040
30	1,080	12,200	1,680	2,600	-	4,620	2,910	1,950	1,210	1,900	951	1,080
31	1,200	-	1,670	2,540	-	4,560	-	2,000	-	1,670	987	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	66,710	8,900	1,080	2,152	0.788	0.91	
November	57,290	12,200	1,100	1,910	.700	.78	
December	138,400	24,700	1,670	4,465	1.64	1.89	
Calendar year 1934	1,159,837	24,700	589	3,178	1.16	15.81	
January	143,000	18,600	2,000	4,613	1.69	1.95	
February	96,470	14,000	1,860	3,445	1.26	1.31	
March	181,330	20,600	2,180	5,849	2.14	2.47	
April	155,520	13,100	2,400	5,184	1.90	2.12	
May	79,770	3,440	1,950	2,573	.942	1.09	
June	54,110	2,920	1,200	1,804	.661	.74	
July	70,609	4,950	949	2,278	.834	.96	
August	42,590	3,000	740	1,374	.503	.58	
September	72,622	14,000	742	2,421	.887	.99	
Water year 1934-35	1,158,421	24,700	740	3,174	1.16	15.79	

Mayo River near Price, N. C.

Location.- Water-stage recorder, lat. 36°32', long. 79°59'30", just below Anglins Bridge, three-quarters of a mile below State line, and 4 miles west of Price, Rockingham County.

Drainage area.- 260 square miles.

Records available.- July 1929 to September 1935.

Extremes.- Maximum discharge during year, 3,880 second-feet Mar. 13 (gage height, 5.32 feet); minimum (estimated), 130 second-feet Aug. 17.
1929-35: Maximum discharge (estimated), 15,900 second-feet Oct. 2, 1929 (gage height, 10.2 feet); minimum, 41 second-feet Sept. 19, 1932 (gage height, 0.52 foot).

Remarks.- Records good except those estimated by comparison with other records in the basin and study of rainfall data, which are fair. Corrected for ice effect Dec. 12, 13.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Sept. 27-30)

1.0	103	3.0	1,110
1.2	147	3.3	1,370
1.4	207	3.6	1,650
1.6	281	4.0	2,060
1.8	368	4.5	2,670
2.0	465	5.0	3,400
2.3	625	5.5	4,220
2.6	810		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	359	191	2,590	498	336	359	648	401	281	185	216	*160
2	294	188	1,010	396	315	346	570	388	269	307	207	*160
3	262	178	592	*328	296	341	*480	*359	367	265	201	*150
4	242	374	490	294	285	*323	450	341	605	218	188	*180
5	264	258	410	269	*290	323	430	323	336	242	175	*400
6	1,360	218	377	273	298	341	435	328	306	273	*155	*1,800
7	941	232	*346	*269	289	430	485	377	277	258	*160	*800
8	465	188	319	269	289	382	739	373	258	254	*240	*500
9	359	185	302	866	302	*346	655	323	294	235	*220	*360
10	315	181	294	594	486	319	542	315	269	258	*170	*500
11	310	188	281	440	368	341	485	323	250	265	*180	*320
12	281	181	270	366	336	1,220	475	351	246	204	*190	*260
13	250	175	260	336	354	1,980	*465	466	298	224	*190	*220
14	235	175	254	*310	684	721	430	346	246	487	*170	*200
15	228	169	250	294	941	542	415	346	380	354	*150	*200
16	221	169	242	294	542	475	401	341	269	265	*140	*190
17	214	169	246	315	495	435	387	336	262	235	*130	*180
18	207	169	235	294	*440	401	387	306	306	622	*140	*190
19	204	167	458	294	396	387	382	306	242	448	*200	*190
20	197	172	422	350	373	396	373	328	250	306	*600	*180
21	197	169	310	373	*350	382	466	487	218	254	*360	*170
22	194	169	294	1,180	336	382	485	368	250	281	*260	*170
23	181	296	273	2,410	346	396	406	315	254	269	*400	*160
24	181	493	262	800	346	634	377	350	218	269	*500	*160
25	185	246	258	548	341	720	364	445	210	277	*260	*150
26	204	218	258	465	410	1,420	350	350	207	337	*200	*160
27	185	204	254	425	510	752	341	*319	201	795	*170	*158
28	169	201	246	359	377	581	336	298	201	382	*150	178
29	175	1,480	265	336	-	500	341	281	201	306	*160	178
30	175	2,170	250	323	-	455	566	302	194	258	*170	153
31	175	-	254	328	-	475	-	364	-	232	*160	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	9,219	1,360	169	297	1.14	1.31
November	9,573	2,170	167	319	1.23	1.37
December	12,572	2,590	235	406	1.56	1.80
Calendar year 1934	108,735	3,510	90	298	1.15	15.55
January	14,898	2,410	269	481	1.85	2.13
February	11,133	941	285	398	1.53	1.59
March	17,105	1,980	319	552	2.12	2.44
April	13,666	739	336	456	1.75	1.95
May	10,836	487	281	350	1.35	1.56
June	8,165	605	194	272	1.05	1.17
July	9,565	795	185	309	1.19	1.37
August	6,814	600	150	220	.846	.98
September	8,777	1,800	150	293	1.13	1.26
Water year 1934-35	132,323	2,590	130	363	1.40	18.93

*Estimated.

North Mayo River near Spencer, Va.

Location.- Chain gage, lat. 36°34'5", long. 79°59'15", at highway bridge at Moores Mill, 4 miles southeast of Spencer, Henry County. Zero of gage is 732.44 feet above mean sea level.

Drainage area.- 108 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 1,310 second-feet Jan. 23 (gage height, 5.26 feet); minimum, 33 second-feet Nov. 1 (gage height, 2.34 feet). 1928-35: Maximum observed stage, 10.52 feet Oct. 17, 1932 (discharge not determined); minimum discharge, 19 second-feet Sept. 2-5, 1930 (gage height, 2.12 feet).

Remarks.- Records fair. Discharge estimated Oct. 30 to Nov. 1, Nov. 20, Jan. 10-12, May 30, 31, July 6.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.2	20
2.4	40
2.6	73
2.8	119
3.0	174
3.3	270
3.6	383
4.0	555
4.5	810
5.0	1,110
5.5	1,450

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	64	50	e10	253	112	141	344	138	127	55	77	48
2	64	54	160	127	112	132	163	127	88	55	69	43
3	66	54	116	119	112	122	168	116	88	132	66	40
4	69	54	106	112	102	122	157	112	149	102	59	66
5	86	52	99	112	102	122	127	106	149	75	54	168
6	149	132	102	96	96	141	114	102	138	90	50	700
7	116	81	102	96	96	288	198	102	127	81	73	306
8	102	68	102	96	94	160	465	102	112	66	122	116
9	84	60	104	109	99	130	465	96	127	86	99	102
10	86	62	112	700	166	112	154	92	112	86	90	204
11	106	71	116	300	112	116	132	92	94	99	81	160
12	86	62	127	150	96	220	124	138	92	86	66	116
13	79	57	112	96	119	930	116	306	88	66	59	106
14	75	54	102	92	204	168	112	132	88	109	104	96
15	68	60	96	92	236	135	109	122	88	109	132	92
16	64	54	92	92	186	122	112	112	84	106	99	88
17	66	54	92	96	157	127	106	106	94	220	90	84
18	62	54	92	96	135	122	106	106	92	149	81	75
19	60	59	116	106	122	127	96	106	96	116	86	71
20	60	170	102	138	112	122	106	122	92	86	96	64
21	60	54	96	152	102	112	183	198	86	90	119	60
22	60	64	92	236	96	102	139	130	135	88	86	57
23	60	116	94	1,170	96	102	127	112	90	84	124	54
24	64	132	96	650	92	253	116	102	81	86	94	54
25	64	86	96	288	94	325	109	92	77	99	81	54
26	64	75	124	143	143	602	106	90	69	112	81	54
27	64	79	106	138	186	532	106	92	64	195	77	54
28	57	88	96	127	160	364	106	92	59	109	69	55
29	50	146	96	116	-	166	106	92	59	96	62	55
30	50	755	96	112	-	152	220	90	59	86	55	52
31	50	-	102	112	-	253	-	130	-	81	48	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,254	149	50	72.7	0.673	0.76
November	2,957	755	50	98.6	.913	1.02
December	3,954	810	92	128	1.19	1.37
Calendar year 1934	40,406	870	32	111	1.03	13.90
January	6,322	1,170	92	204	1.89	2.18
February	3,539	236	92	126	1.17	1.22
March	6,622	602	102	214	1.98	2.28
April	4,811	465	96	160	1.48	1.65
May	3,655	306	90	118	1.09	1.26
June	2,904	149	59	96.8	.896	1.00
July	3,140	220	55	101	.935	1.08
August	2,549	132	48	82.2	.761	.88
September	3,294	700	40	110	1.02	1.14
Water year 1934-35	46,001	1,170	40	126	1.17	15.86

Smith River at Martinsville, Va.

Location.- Water-stage recorder, lat.36°39'45", long. 79°52'55", 2 miles south of Martinsville, Henry County, and 3 miles below Grassy Creek. Zero of gage is 656.86 feet above mean sea level.

Drainage area.- 374 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum discharge during year, 9,020 second-feet Sept. 6 (gage height, 8.43 feet); minimum, 17 second-feet Nov. 28 (gage height, 1.39 feet); minimum daily discharge, 62 second-feet Sept. 29.
1929-35: Maximum stage, 17.50 feet Oct. 17, 1932 (discharge not determined); minimum discharge, 5 second-feet May 20, 1934 (gage height, 1.20 feet); minimum daily discharge, 22 second-feet June 24, 1934.

Remarks.- Records excellent. Discharge estimated Oct. 5-9. Flow regulated by dam and power plant 1,000 feet upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	5	3.0	650
1.4	18	3.5	1,070
1.6	48	4.0	1,610
1.8	95	4.5	2,270
2.0	157	5.0	3,000
2.3	268	6.0	4,620
2.6	408	7.0	6,380

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	318	183	5,450	516	419	426	1,050	427	306	328	250	158
2	224	190	1,550	459	331	401	910	454	297	758	243	198
3	220	164	348	362	403	399	732	392	372	396	210	256
4	213	446	504	352	448	430	754	406	438	238	172	344
5	220	408	534	309	376	376	668	373	407	320	254	3,180
6	350	295	456	325	376	384	679	428	382	316	207	4,450
7	4,000	223	444	348	348	528	884	390	318	303	240	1,290
8	1,000	217	369	338	353	502	1,850	386	258	418	290	674
9	600	211	392	2,510	288	394	1,180	350	876	410	310	828
10	376	167	420	1,120	654	388	894	473	402	582	192	388
11	302	162	343	733	467	464	768	438	382	339	174	324
12	316	226	268	572	436	1,610	716	372	324	257	286	342
13	232	188	302	442	430	2,670	675	410	334	233	204	352
14	162	176	352	444	838	962	600	348	327	326	209	306
15	312	168	260	412	1,130	698	582	346	276	376	195	180
16	210	183	301	390	680	586	538	352	360	304	184	372
17	213	152	354	438	666	540	520	384	420	302	157	343
18	193	151	294	484	538	496	518	344	342	673	78	274
19	208	210	600	351	500	480	475	326	334	688	328	254
20	162	180	536	538	482	476	468	406	328	364	288	253
21	156	166	460	614	430	486	579	471	290	324	332	216
22	232	176	288	2,040	400	466	520	436	264	422	254	160
23	190	426	344	5,060	386	652	490	380	244	334	1,330	262
24	188	546	330	1,600	406	1,070	454	516	311	501	353	258
25	190	267	300	904	435	1,540	446	694	294	582	190	229
26	230	351	324	698	419	2,210	440	446	262	700	264	225
27	166	248	304	588	608	1,150	388	383	258	837	192	231
28	172	218	289	534	470	838	421	361	258	390	196	206
29	192	1,620	240	667	-	679	562	344	256	381	200	62
30	184	4,420	302	688	-	616	620	348	255	306	200	258
31	186	-	310	616	-	657	-	330	-	273	167	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	11,917	4,000	156	384	1.03	1.19
November	12,738	4,420	151	425	1.14	1.27
December	17,578	5,450	250	567	1.52	1.75
Calendar year 1934	125,125	5,450	22	343	.917	12.44
January	25,452	5,060	309	821	2.20	2.54
February	13,717	1,130	288	490	1.31	1.36
March	23,574	2,670	376	760	2.03	2.34
April	20,381	1,850	388	679	1.82	2.03
May	12,514	694	326	404	1.08	1.24
June	10,175	876	244	339	.906	1.01
July	12,881	837	233	416	1.11	1.28
August	8,139	1,330	78	263	.703	.81
September	16,873	4,450	62	562	1.50	1.67
Water year 1934-35	185,939	5,450	62	509	1.36	18.49

Sandy River near Danville, Va.

Location.- Water-stage recorder, lat. 36°37'5", long. 79°30', 500 feet below highway bridge on road between Callahans Store and Mount Cross and 6 miles northwest of Danville, Pittsylvania County. Zero of gage is 454.89 feet above mean sea level.

Drainage area.- 113 square miles.

Records available.- November 1929 to September 1935.

Extremes.- Maximum discharge during year, about 4,210 second-feet Dec. 1 (gage height, 9.76 feet); minimum, 27 second-feet Nov. 23 (gage height, 0.72 foot).
1929-35: Maximum discharge, about 5,300 second-feet Sept. 7, 1934 (gage height, 11.60 feet); minimum, 3 second-feet Sept. 29, 1930 (gage height, 0.40 foot).

Remarks.- Records good except those above 400 second-feet, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	50	2,690	127	106	82	562	99	71	45	50	32
2	45	50	834	102	88	79	219	90	68	74	50	36
3	45	41	403	79	66	76	150	87	71	50	45	34
4	43	45	306	66	56	74	130	90	208	58	43	73
5	110	45	219	56	52	74	114	90	105	78	45	218
6	754	45	140	54	50	74	114	90	90	88	43	297
7	356	43	111	52	45	96	160	159	79	64	38	203
8	102	43	76	50	45	79	369	99	74	48	74	106
9	71	43	76	241	50	71	198	85	170	142	52	77
10	59	41	85	143	202	68	146	94	82	358	45	77
11	71	41	99	90	96	74	127	99	71	71	41	75
12	63	48	105	74	68	746	117	87	66	59	39	67
13	59	45	90	63	74	942	108	96	66	61	41	52
14	54	43	82	66	548	232	99	90	66	79	39	50
15	48	39	74	59	722	123	96	90	84	61	41	47
16	45	38	66	59	160	99	96	90	65	151	38	45
17	43	36	56	74	130	96	96	87	66	216	36	45
18	41	36	39	61	102	96	93	79	85	455	38	45
19	45	36	121	59	90	102	90	76	66	179	41	45
20	43	34	130	130	76	130	90	79	66	90	50	45
21	41	32	71	164	66	111	127	146	54	76	59	45
22	43	31	68	162	71	114	127	93	66	71	39	43
23	43	100	74	927	79	150	108	82	59	71	109	43
24	43	50	68	411	63	487	102	114	56	82	50	41
25	41	45	61	143	56	587	99	127	52	76	38	41
26	46	45	63	93	66	738	96	90	52	85	38	41
27	48	41	56	76	136	224	93	82	52	67	36	43
28	48	53	43	90	93	168	90	79	50	68	34	52
29	48	385	43	124	-	143	93	76	50	63	38	47
30	45	569	41	76	-	120	130	76	50	59	38	45
31	46	-	45	94	-	157	-	76	-	52	36	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,633	754	41	84.9	0.751	0.87
November	2,193	569	31	73.1	.647	.72
December	6,435	2,690	39	208	1.84	2.12
Calendar year 1934	40,284	2,690	20	110	.973	13.26
January	4,065	927	50	131	1.16	1.34
February	3,458	722	45	124	1.10	1.14
March	6,412	942	68	207	1.83	2.11
April	4,239	562	90	141	1.25	1.40
May	2,899	159	76	93.5	.827	.95
June	2,282	208	50	76.1	.673	.75
July	3,217	455	45	104	.920	1.06
August	1,404	109	34	45.3	.401	.46
September	2,110	297	32	70.3	.622	.69
Water year 1934-35	41,347	2,690	31	113	1.00	13.61

Banister River at Halifax, Va.

Location.- Water-stage recorder, lat. 36°45'30", long. 78°54'5", 1 mile north of Halifax, Halifax County, and 10 miles above mouth. Zero of gage is 318.54 feet above mean sea level.

Drainage area.- 552 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge during year, 6,060 second-feet Dec. 2 (gage height, 20.64 feet); minimum, 22 second-feet July 1 (gage height, 0.63 foot); minimum daily discharge, 26 second-feet Aug. 15.
1928-35: Maximum discharge, 7,510 second-feet Oct. 3, 1929 (gage height, 24.02 feet); minimum, 6 second-feet numerous days in August and September 1932; minimum daily discharge, 6 second-feet Aug. 30, 1932.

Remarks.- Records good except those for July 28 to Aug. 5, which are fair and were estimated on basis of records for stations at Clover, Clarksville, South Boston, and Omega. Flow regulated except for high stages by power plant half a mile upstream.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Dec. 2

1.4	80	3.0	302	10.0	2,070
1.6	104	3.5	385	12.0	2,740
1.8	129	4.0	480	14.0	3,460
2.0	155	5.0	688	16.0	4,210
2.3	196	6.0	924	18.0	5,000
2.6	240	8.0	1,460	20.0	5,810
				20.6	6,060

Table for Dec. 3 to Sept. 30

0.6	21	2.5	248	10.0	2,100
0.8	33	3.0	332	12.0	2,740
1.0	50	4.0	520	14.0	3,460
1.3	81	5.0	740	16.0	4,210
1.6	116	6.0	980	18.0	5,000
2.0	170	8.0	1,510		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	741	177	5,260	763	392	730	2,000	562	301	226		93
2	377	198	5,970	812	520	542	2,990	380	154	235		210
3	243	228	4,320	778	246	422	1,720	349	242	242	250	231
4	208	275	1,140	666	654	684	1,290	556	534	193		128
5	472	352	834	386	532	616	1,050	366	496	252		858
6	1,170	382	614	312	286	426	904	272	595	954	181	2,750
7	3,220	234	502	542	298	635	1,170	566	540	528	226	1,890
8	2,290	189	553	388	606	634	2,850	634	288	480	419	849
9	831	224	156	582	248	415	3,180	536	722	274	561	532
10	785	234	624	820	1,070	351	1,620	566	856	1,030	241	519
11	90	134	322	844	1,500	612	1,070	422	561	778	80	336
12	284	219	271	645	865	792	936	271	333	522	224	309
13	374	227	490	389	691	3,460	812	520	244	241	255	235
14	190	176	249	590	686	3,940	620	288	241	514	215	215
15	253	228	440	525	1,910	1,610	755	504	263	360	26	50
16	205	106	134	281	1,800	937	684	256	234	224	212	234
17	225	206	408	613	1,040	614	646	264	235	376	76	236
18	275	144	305	558	928	796	506	487	304	652	80	234
19	236	184	616	330	798	639	648	105	228	592	277	216
20	212	214	774	498	652	633	616	495	241	442	468	104
21	156	196	721	1,160	630	623	402	640	233	84	399	241
22	256	214	592	1,120	599	520	628	620	234	464	220	94
23	182	353	149	2,350	595	517	638	286	229	236	223	206
24	153	636	646	3,660	91	520	592	601	206	236	379	204
25	210	340	75	2,110	612	2,060	630	614	218	172	80	61
26	185	558	655	1,040	582	3,710	333	318	212	422	317	238
27	232	236	337	672	774	2,250	608	366	220	370	97	144
28	135	294	432	690	976	1,240	299	509	229		208	248
29	182	1,540	460	542	-	892	278	272	230	300	208	79
30	172	4,090	242	496	-	751	440	260	27		31	255
31	223	-	650	368	-	716	-	526	-		87	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	14,767	3,220	90	476	0.862	0.99
November	12,766	4,090	106	426	.772	.86
December	28,921	5,970	75	933	1.69	1.95
Calendar year 1934	189,772	5,970	15	520	.942	12.77
January	25,530	3,660	281	824	1.49	1.72
February	20,583	1,910	91	735	1.33	1.38
March	33,287	3,940	351	1,074	1.95	2.25
April	30,915	3,180	278	1,030	1.87	2.09
May	13,411	640	105	433	.784	.90
June	9,650	856	27	322	.583	.65
July	12,299	1,030	84	397	.719	.83
August	7,040	561	26	227	.411	.47
September	11,999	2,750	50	400	.725	.81
Water year 1934-35	221,190	5,970	26	606	1.10	14.90

Hyco River near Omega, Va.

Location.- Water-stage recorder, lat. 36°38', long. 78°48', at highway bridge 1½ miles above Hilly Creek, 2½ miles south of Omega, Halifax County, and 7 miles above mouth.

Drainage area.- 338 square miles.

Records available.- March 1934 to September 1935.

Extremes.- Maximum discharge during year, 4,970 second-feet Dec. 1 (gage height, 21.15 feet); minimum, 3 second-feet Aug. 29 (gage height, 1.46 feet).
1934-35: Maximum discharge, 7,240 second-feet (revised) Sept. 8, 1934 (gage height, 27.50 feet); minimum, that of Aug. 29, 1935.

Remarks.- Records good. Discharge estimated Nov. 17-22, Jan. 25-30.

Rating tables, water years 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Mar. 15, 1934, to June 30, 1934

2.8	116	8.0	858
3.0	140	10.0	1,170
3.3	177	12.0	1,520
3.6	216	14.0	1,940
4.0	270	16.0	2,400
4.5	340	18.0	2,900
5.0	410	20.0	3,420
6.0	558	21.0	3,680

Table for July 1, 1934, to Sept. 30, 1935

1.6	7	8.0	974
1.8	18	10.0	1,400
2.0	32	12.0	1,950
2.3	59	14.0	2,550
2.6	94	16.0	3,190
3.0	143	18.0	3,860
3.5	209	20.0	4,540
4.0	281	22.0	5,260
5.0	441	24.0	5,980
6.0	614	26.0	6,700
		27.5	7,240

Discharge, in second-feet, water year October 1933 to September 1934

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						-	1,150	99	2,570	114	327	64
2						-	678	98	1,660	98	383	49
3						-	498	100	888	288	250	41
4						-	368	105	410	509	89	38
5						-	366	97	438	209	82	39
6						-	305	86	813	95	40	330
7						-	284	76	1,220	68	408	3,540
8						-	236	67	1,740	56	866	7,060
9						-	1,750	62	1,620	48	794	6,200
10						-	3,650	57	768	52	614	5,580
11						-	3,780	54	382	52	182	4,400
12						-	3,650	52	249	52	87	1,350
13						-	2,820	50	196	48	64	351
14						-	782	44	158	42	276	758
15						158	354	149	124	44	120	866
16						164	663	994	100	34	92	1,830
17						158	1,060	1,110	88	61	69	2,460
18						139	858	888	165	44	45	3,190
19						114	633	291	528	34	40	3,520
20						994	453	164	468	30	43	1,630
21						1,260	354	116	229	52	43	424
22						948	284	91	111	53	32	319
23						573	229	97	84	31	50	266
24						368	196	152	200	28	53	209
25						798	190	1,030	236	22	670	176
26						1,120	177	1,110	135	17	1,420	153
27						1,140	151	963	84	12	884	135
28						1,830	132	603	73	76	475	475
29						1,760	120	382	66	543	237	391
30						1,520	104	798	90	632	116	359
31						1,580	-	1,720	-	614	78	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January	-	-	-	-	-	-
February	-	-	-	-	-	-
March 15-31	14,624	1,830	114	860	2.54	1.61
April	26,277	3,780	104	876	2.59	2.89
May	11,705	1,720	44	378	1.12	1.29
June	15,893	2,570	66	530	1.57	1.75
July	4,058	632	12	131	.388	.45
August	8,929	1,420	32	288	.852	.98
September	46,203	7,060	38	1,540	4.56	5.10
Water year						

Note.- Above records supersede those published in Water-Supply Paper 757.

Hyco River near Omega, Va.

(Continued)

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	237	60	4,900	1,440	230	311	2,490	441	95	49	25	9
2	159	67	4,610	1,720	244	258	3,000	281	82	100	18	6
3	125	69	3,890	1,470	251	237	3,060	223	72	147	13	5
4	108	68	1,480	1,200	244	216	3,000	195	68	59	10	17
5	231	81	441	492	216	202	1,160	169	76	37	13	173
6	578	90	343	359	195	237	578	160	76	40	10	1,260
7	722	82	288	319	176	596	884	188	67	54	6	1,160
8	375	80	258	296	161	650	2,610	223	61	41	183	375
9	244	72	230	327	168	492	3,060	195	61	43	137	131
10	237	68	216	492	475	319	2,550	160	80	107	45	126
11	148	64	188	614	492	296	1,980	157	62	382	26	288
12	143	68	168	441	383	621	902	140	54	184	22	202
13	124	69	176	319	304	2,430	812	146	49	66	13	98
14	107	70	169	266	666	2,280	614	188	46	82	11	71
15	95	74	157	230	1,200	2,160	475	151	42	176	11	62
16	88	71	151	209	1,110	1,900	399	147	43	84	11	52
17	87	70	152	258	974	560	335	156	46	216	11	43
18	83	70	151	274	794	399	288	139	44	337	7	42
19	82	70	593	230	740	319	266	122	42	230	7	38
20	82	70	1,330	722	492	319	244	106	34	169	137	34
21	78	70	1,090	938	367	399	933	518	29	100	28	31
22	74	100	830	794	296	319	2,220	722	29	58	18	28
23	70	281	416	1,840	266	304	2,190	578	32	45	16	26
24	69	182	319	2,310	244	1,240	2,680	327	29	39	10	26
25	69	108	281	2,100	216	1,660	1,240	258	24	34	10	21
26	70	89	296	2,000	216	2,310	441	223	23	69	7	17
27	70	86	304	1,700	391	2,520	351	164	22	74	5	19
28	66	2,560	251	550	399	2,520	304	129	22	52	4	97
29	61	3,590	251	400	-	2,160	266	112	22	37	5	82
30	58	4,470	251	300	-	776	391	100	28	31	17	46
31	58	-	230	251	-	902	-	101	-	30	15	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,798	722	58	155	0.459	0.53
November	12,969	4,470	60	432	1.28	1.43
December	24,410	4,900	151	787	2.33	2.69
Calendar year						
January	24,861	2,310	209	802	2.37	2.73
February	11,910	1,200	161	425	1.26	1.31
March	29,912	2,520	202	965	2.86	3.30
April	39,723	3,060	244	1,324	3.92	4.37
May	6,919	722	100	223	.660	.76
June	1,460	95	22	48.7	.144	.16
July	3,172	382	30	102	.302	.35
August	851	183	4	27.5	.081	.09
September	4,585	1,260	5	153	.453	.51
Water year 1934-35	165,570	4,900	4	454	1.34	18.23

Tar River near Nashville, N. C.

Location.- Water-stage recorder, lat. 35°51', long. 77°55'50", at Cockrell Bridge, on Nashville-Wilson road, 5 miles above Sapony Creek and 10 miles south of Nashville, Nash County. Prior to Feb. 27, 1935, temporary staff gage at same site and datum, which replaced chain gage dismantled Sept. 19, 1934.

Drainage area.- 593 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 16,900 second-feet Dec. 3 (gage height, 20.8 feet, from flood marks); minimum observed, 74 second-feet June 29, 30 (gage height, 2.18 feet).

1928-35: Maximum discharge, that of Dec. 3, 1934; minimum observed, 10 second-feet Sept. 20, 1932 (gage height, 1.50 feet).

Remarks.- Records good except those estimated, which are fair. Estimates based on comparison with other discharge records in the vicinity. Gage-height record for May 24 to July 3 from twice-daily gage readings.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.0	46	7.0	2,150	15.0	8,500
2.3	97	8.0	2,750	16.0	9,740
2.6	175	9.0	3,350	17.0	11,120
3.0	308	10.0	4,000	18.0	12,600
3.5	515	11.0	4,700	19.0	14,100
4.0	740	12.0	5,460	20.0	15,600
5.0	1,190	13.0	6,400	21.0	17,190
6.0	1,650	14.0	7,400		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*400	130	*10,500	1,320	582	1,370	2,050	600	290	102	178	225
2	*340	178	15,300	2,270	538	942	3,230	524	272	206	149	160
3	*280	187	*15,700	3,050	560	785	4,140	497	272	448	141	130
4	*230	181	*4,710	1,950	605	695	4,630	448	272	474	133	123
5	*240	206	*1,550	965	582	628	2,660	415	290	272	125	316
6	*240	255	965	740	538	605	1,280	402	272	823	120	2,830
7	*220	222	740	582	492	650	1,500	394	238	258	125	3,350
8	*260	200	650	650	448	718	2,150	386	238	206	342	4,280
9	*250	178	605	1,240	470	830	2,750	386	206	238	323	3,510
10	*240	175	560	1,700	515	628	3,290	378	222	580	338	920
11	*220	187	515	1,420	538	546	3,600	538	255	2,230	219	988
12	*190	222	470	1,060	785	578	1,590	695	200	3,050	163	762
13	*170	222	448	785	650	1,470	1,280	470	190	1,270	136	546
14	158	206	427	740	695	2,330	1,190	394	181	1,600	120	440
15	152	197	406	650	1,140	2,750	1,010	398	175	1,190	106	358
16	141	194	366	582	1,420	1,280	875	448	206	785	97	308
17	138	194	386	582	1,190	875	808	453	190	470	95	272
18	136	178	366	582	1,010	740	740	436	187	1,100	128	248
19	141	181	492	560	1,140	650	650	366	190	1,280	283	232
20	141	187	1,260	650	830	605	628	327	206	830	248	228
21	136	181	2,510	1,100	695	605	968	1,520	222	453	335	216
22	133	175	1,720	1,280	582	605	2,000	2,000	166	319	350	212
23	125	194	830	1,600	560	628	3,170	1,370	136	255	338	331
24	120	290	650	2,690	515	898	4,140	920	128	232	184	228
25	120	272	560	2,930	492	1,650	3,510	695	115	206	143	197
26	125	222	560	2,310	508	2,510	1,010	582	108	451	120	181
27	125	194	605	1,010	1,670	2,990	852	470	108	660	108	175
28	133	306	605	920	1,850	3,590	740	406	99	785	97	403
29	125	2,200	560	785	-	2,840	672	346	75	474	102	1,570
30	120	*5,580	538	740	-	1,320	650	327	83	331	149	1,170
31	120	-	605	695	-	1,370	-	308	-	203	258	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,669	400	120	183	0.309	0.36
November	13,484	5,580	130	449	.757	.84
December	66,179	15,700	366	2,135	3.60	4.15
Calendar year 1934	293,072	15,700	87	803	1.35	18.35
January	38,138	3,050	560	1,230	2.07	2.39
February	21,600	1,850	448	771	1.30	1.35
March	38,681	3,590	546	1,248	2.10	2.42
April	57,760	4,630	628	1,925	3.25	3.63
May	17,899	2,000	308	577	.973	1.12
June	5,792	290	75	193	.325	.36
July	21,781	3,050	102	703	1.19	1.37
August	5,753	350	95	186	.314	.36
September	24,909	4,280	123	830	1.40	1.56
Water year 1934-35	317,645	15,700	75	870	1.47	19.91

*Estimated.

Tar River at Tarboro, N. C.

Location.- Water-stage recorder, lat. 35°53'40", long. 77°32', at highway bridge at Tarboro, Edgecombe County.

Drainage area.- 2,100 square miles.

Records available.- July 1896 to December 1900, October 1931 to September 1935.

Extremes;- Maximum discharge during year, 23,500 second-feet Dec. 6 (gage height, 27.38 feet); minimum, 200 second-feet July 2 (gage height, 1.50 feet).
1896-1900, 1931-35: Maximum discharge, that of Dec. 6, 1934; minimum, 36 second-feet Oct. 17, 22, 1933 (gage height, 0.45 foot).
Maximum stage known, 34.2 feet, present datum, July 27, 1919 (discharge, estimated, 32,000 second-feet).

Remarks.- Records good.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Dec. 6				Table for Dec. 7 to Sept. 30			
2.0	347	7.0	2,505	1.5	200	10.0	3,800
2.3	437	10.0	4,230	1.7	244	13.0	5,700
2.6	540	13.0	6,320	2.0	317	16.0	7,800
3.0	680	16.0	8,900	2.5	455	19.0	10,500
4.0	1,080	19.0	12,100	3.0	605	22.0	14,200
4.5	1,290	22.0	15,800	4.0	930	25.0	19,300
5.0	1,515	28.0	24,500	6.0	1,700	28.0	24,900
6.0	2,000			8.0	2,650		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,290	364	4,730	1,880	2,450	4,720	6,160	2,150	831	270	998	425
2	1,200	376	6,770	3,020	2,060	5,050	6,020	1,830	765	224	798	575
3	980	437	9,320	4,190	1,880	4,790	6,910	1,610	685	304	653	470
4	860	488	15,400	5,180	1,840	4,240	8,150	1,440	621	628	575	440
5	780	470	21,500	5,500	1,880	3,230	9,680	1,280	621	831	455	462
6	800	454	23,400	4,110	1,790	2,550	10,700	1,210	590	660	485	2,320
7	800	470	21,700	2,820	1,660	2,250	10,100	1,140	637	862	500	5,420
8	760	558	16,100	2,350	1,570	2,100	8,960	1,070	605	814	485	7,330
9	860	540	9,980	2,250	1,440	2,020	8,360	1,030	560	897	575	8,920
10	820	470	5,320	3,230	1,440	1,970	8,360	998	500	1,130	669	10,700
11	740	505	2,480	4,220	1,440	1,740	8,600	930	515	1,530	701	11,300
12	680	540	1,790	4,660	1,660	1,610	8,870	897	515	2,810	590	10,100
13	662	488	1,570	4,400	1,840	1,980	8,520	1,170	485	3,940	440	8,220
14	610	540	1,440	3,680	1,880	3,100	7,050	1,240	470	4,280	411	5,400
15	522	522	1,320	3,040	2,380	4,220	5,680	1,100	425	3,980	356	2,420
16	522	522	1,280	2,600	3,270	4,920	4,560	964	440	4,530	330	1,420
17	522	488	1,170	2,300	3,920	4,340	3,680	998	411	4,790	312	1,140
18	454	522	1,170	2,150	4,040	2,930	3,060	1,030	425	4,530	343	930
19	470	470	1,240	2,060	3,560	2,350	2,620	964	425	4,280	300	831
20	470	437	1,870	1,970	3,260	2,020	2,300	930	440	3,860	346	733
21	470	470	2,620	2,150	2,760	1,790	2,280	1,370	440	3,380	425	685
22	422	454	3,640	2,650	2,250	1,700	3,330	3,320	455	2,330	632	653
23	422	454	3,680	3,520	1,970	1,700	4,660	4,530	470	1,490	831	621
24	422	628	2,520	4,880	1,700	1,970	5,800	4,660	356	1,070	897	782
25	406	900	2,020	6,020	1,570	2,540	6,780	3,590	327	930	686	637
26	391	880	1,790	6,910	1,520	4,090	7,690	2,600	292	831	545	575
27	391	800	1,840	7,420	1,900	5,620	7,280	2,060	285	1,440	440	530
28	391	720	1,790	6,980	3,490	6,490	5,540	1,660	273	2,250	343	500
29	364	700	1,790	5,900	-	7,280	3,640	1,280	278	1,970	314	515
30	353	1,900	1,660	4,480	-	7,880	2,550	1,070	307	1,920	333	1,520
31	364	-	1,520	3,080	-	7,350	-	897	-	1,440	356	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	19,198	1,290	353	619	0.295	0.34
November	17,567	1,900	364	586	.279	.31
December	174,420	23,400	1,170	5,626	2.68	3.09
Calendar year 1934	842,296	23,400	168	2,308	1.10	14.91
January	119,600	7,420	1,880	3,858	1.84	2.12
February	62,420	4,040	1,440	2,229	1.06	1.10
March	110,540	7,880	1,610	3,566	1.70	1.96
April	187,890	10,700	2,280	6,263	2.98	3.32
May	51,068	4,660	897	1,647	.784	.90
June	14,449	831	273	482	.230	.26
July	64,201	4,790	224	2,071	.986	1.14
August	16,124	998	300	520	.248	.29
September	86,574	11,300	425	2,886	1.37	1.53
Water year 1934-35	924,051	23,400	224	2,532	1.21	16.36

Tar River at Greenville, N. C.

Location.- Water-stage recorder, lat. 35°37', long. 77°22'30", at bridge on State Highway 11, about 600 feet below Atlantic Coast Line Railroad bridge at Greenville, Pitt County. Zero of gage is 1.45 feet above mean sea level.

Drainage area.- 2,680 square miles.

Records available.- March to September 1935.

Extremes.- Maximum discharge during period, 11,800 second-feet Sept. 12 (gage height, 14.70 feet); minimum, 174 second-feet June 18 (gage height, 2.43 feet).
Maximum stage known, 24.5 feet July 28, 1919.

Remarks.- Records good except those estimated on basis of comparison with records at Tarboro, which are fair. Slight diurnal fluctuation from power operations. Gage-height record collected in cooperation with U. S. Weather Bureau.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.4	165	4.5	980	8.0	3,250
2.6	225	5.0	1,240	9.0	4,100
2.8	290	5.5	1,520	10.0	5,060
3.0	360	6.0	1,825	11.0	6,150
3.3	465	6.5	2,150	12.0	7,400
3.6	580	7.0	2,500	13.0	8,850
4.0	745	7.5	2,865	14.0	10,500
				15.0	12,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						-	*7,500	*3,410	880	472	1,820	745
2						-	*6,500	*2,640	835	500	1,350	790
3						-	*7,000	*2,000	722	580	1,000	790
4						-	*8,000	*2,000	580	540	745	722
5						-	*9,500	*1,800	722	768	700	722
6						-	*10,000	*1,400	745	1,000	600	*2,810
7						-	*11,000	*1,400	745	930	680	*5,820
8						-	*11,000	*1,400	722	1,100	812	7,400
9						-	*9,500	*1,200	600	930	1,240	8,850
10						-	*9,000	*1,200	520	1,060	1,100	9,990
11						-	*9,000	*1,000	520	1,400	930	11,000
12						-	*9,500	*1,000	540	1,880	812	11,800
13						-	*9,500	*1,400	560	*3,460	680	11,400
14						-	*9,000	*1,400	560	5,780	620	9,990
15						-	*8,000	*1,600	454	7,010	660	7,540
16						-	*7,000	*1,200	448	7,540	722	4,760
17						-	*6,000	*1,200	395	7,540	768	2,620
18						-	*5,060	*1,200	300	7,400	745	1,700
19						-	4,100	*1,200	353	*6,880	812	1,300
20						-	3,410	*1,000	434	*6,390	700	1,060
21						-	3,020	*1,600	560	5,820	905	930
22						-	3,410	*3,500	434	4,860	905	812
23						-	4,370	*4,000	540	3,250	1,030	*800
24						1,960	5,380	5,270	620	1,820	1,130	*800
25						2,430	6,390	5,490	580	1,130	1,100	*1,000
26						3,490	7,270	4,560	580	929	835	*900
27						4,760	7,960	3,330	423	2,390	660	*812
28						6,270	*7,820	2,290	283	3,410	500	745
29						7,270	*5,500	1,580	328	3,570	500	745
30						7,960	*4,000	1,130	360	3,170	560	*1,800
31						8,550	-	930	-	2,640	680	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January	-	-	-	-	-	-
February	-	-	-	-	-	-
March 24-31	42,690	8,550	1,960	5,336	1.99	0.59
April	214,690	11,000	3,020	7,156	2.67	2.98
May	64,330	5,490	930	2,075	.774	.89
June	16,363	880	283	545	.203	.23
July	96,149	7,540	472	3,102	1.16	1.34
August	26,301	1,820	500	848	.316	.36
September	111,153	11,800	722	3,705	1.38	1.54
Water year						

*Estimated.

Fishing Creek near Enfield, N. C.

Location.- Water-stage recorder, lat. 36°8'55", long. 77°41'45", at bridge on U. S. Highway 301 2,000 feet below Atlantic Coast Line Railroad bridge, 2 miles southwest of Enfield, Halifax County, and 4¾ miles below mouth of Rocky Creek.

Drainage area.- 462 square miles.

Records available.- October 1923 to September 1935.

Average discharge.- 12 years, 484 second-feet.

Extremes.- Maximum discharge during year, 15,200 second-feet Dec. 2 (gage height, 17.66 feet); minimum, 59 second-feet Oct. 28 (gage height, 0.85 foot).
1923-35: Maximum discharge, that of Dec. 2, 1934; minimum, about 10 second-feet Oct. 19, 1933.
Maximum stage known, 21.0 feet Apr. 19, 1910.

Remarks.- Records good. Slight diurnal fluctuation at low stages from operation of mills.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	194	73	6,810	708	420	1,630	2,060	466	201	110	158	208
2	148	85	14,400	1,430	405	837	2,900	420	201	159	145	149
3	134	99	9,330	1,450	466	626	3,430	375	180	530	148	106
4	118	86	3,560	941	482	546	2,960	368	168	306	125	106
5	114	97	1,150	610	466	462	1,560	345	174	168	128	223
6	121	139	605	466	435	482	990	322	180	136	201	2,120
7	151	149	466	435	405	482	1,440	322	174	147	148	3,700
8	168	126	420	435	375	482	1,980	330	154	294	118	5,580
9	148	106	390	514	390	435	2,310	300	148	530	121	5,610
10	134	102	368	986	435	390	2,270	285	152	922	131	1,920
11	121	98	345	1,220	562	368	1,640	300	156	1,380	122	678
12	108	108	330	1,030	562	390	1,030	514	158	1,110	116	430
13	108	114	308	698	466	957	1,040	562	140	658	97	325
14	94	111	300	562	530	1,480	1,100	375	128	936	91	296
15	90	116	300	498	940	1,170	868	308	130	2,110	87	246
16	79	111	285	435	1,080	706	770	285	122	1,840	83	202
17	77	109	278	466	820	562	658	322	134	725	87	170
18	85	103	271	546	674	482	578	322	130	498	72	158
19	78	108	345	466	610	435	530	285	121	1,130	71	152
20	85	106	707	482	530	420	514	250	134	900	149	146
21	84	103	922	722	450	420	718	800	121	398	261	152
22	79	114	690	738	420	498	2,050	1,400	121	264	250	136
23	82	108	514	1,060	390	530	2,830	1,030	98	208	218	136
24	70	152	420	2,310	405	933	2,820	562	92	180	134	134
25	76	158	375	2,540	375	1,380	1,620	405	105	174	96	133
26	75	180	352	2,080	368	2,020	966	368	90	218	91	123
27	84	158	420	1,080	1,280	2,270	714	315	93	727	88	112
28	64	142	435	718	2,160	1,760	594	271	84	922	77	198
29	67	269	390	578	-	1,100	530	250	100	647	83	674
30	71	2,360	368	530	-	722	514	229	100	300	84	520
31	63	-	352	498	-	821	-	215	-	215	218	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,170	194	63	102	0.221	0.25
November	5,890	2,360	73	196	.424	.47
December	46,206	14,400	271	1,491	3.23	3.72
Calendar year 1934	164,576	14,400	44	451	.976	13.25
January	27,232	2,540	435	878	1.90	2.19
February	16,901	2,160	368	604	1.31	1.36
March	25,816	2,270	368	833	1.80	2.08
April	44,004	3,430	514	1,467	3.18	3.55
May	12,901	1,400	215	416	.900	1.04
June	4,089	201	84	136	.294	.33
July	18,842	2,110	110	608	1.32	1.52
August	4,008	261	71	129	.279	.32
September	24,845	5,580	106	828	1.79	2.00
Water year 1934-35	233,904	14,400	63	641	1.39	18.83

Eno River at Hillsboro, N. C.

Location.- Staff gage, lat. 36°4'20", long. 79°6'30", 1,000 feet below State Highway 10 at Hillsboro, Orange County, and 2 miles below Sevenmile Creek.

Drainage area.- 66.5 square miles.

Records available.- November 1927 to September 1935.

Extremes.- Maximum discharge during year, 3,260 second-feet Dec. 1 (gage height, 14.9 feet, from graph based on gage readings); minimum observed, 2.9 second-feet Aug. 28, 29 (gage height, 0.70 foot).
1927-35: Maximum discharge, 4,650 second-feet Oct. 2, 1929 (gage height, estimated, 18.0 feet); minimum, 1.2 second-feet Sept. 24-26, 1932 (gage height, 0.50 foot).

Remarks.- Records good below 100 second-feet and fair above.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	18	2,380	370	42	50	963	47	34	8.8	11	4.8
2	25	20	223	155	41	44	295	48	35	42	8.8	4.4
3	23	18	105	90	44	41	132	47	32	16	8.8	4.1
4	25	23	80	71	48	42	110	41	32	12	8.0	4.4
5	27	21	62	58	46	43	85	39	33	11	7.6	21
6	48	20	54	55	40	47	80	40	29	10	7.2	354
7	67	20	48	52	35	100	126	41	26	10	11	40
8	33	18	45	51	39	66	716	43	26	9.6	11	24
9	28	18	43	184	36	48	298	42	26	9.2	8.8	20
10	23	18	40	132	66	41	138	40	24	13	7.6	36
11	28	21	39	85	58	41	105	62	22	8.8	7.2	24
12	24	21	36	62	46	104	95	43	20	12	6.4	19
13	22	20	34	56	80	425	90	51	21	9.2	5.7	17
14	20	20	33	51	138	167	76	40	20	85	5.1	14
15	18	21	31	44	138	95	66	90	18	36	4.4	12
16	18	20	31	43	90	76	66	62	17	22	4.1	9.6
17	18	18	31	51	110	66	59	51	17	21	4.1	8.4
18	18	18	31	46	110	57	55	43	16	28	4.4	7.6
19	18	18	346	39	90	50	53	36	15	44	4.8	7.6
20	18	18	189	90	71	66	51	38	14	36	5.4	7.6
21	17	18	76	80	59	61	1,030	264	12	25	10	7.6
22	16	18	56	71	54	54	334	230	17	21	7.6	7.6
23	16	18	51	326	49	50	105	121	14	20	5.7	6.8
24	16	22	47	167	44	132	95	62	12	17	4.8	6.8
25	16	20	45	90	44	85	80	44	11	14	4.4	6.0
26	18	18	47	76	46	328	71	45	11	15	4.1	6.0
27	16	18	49	66	76	167	62	44	11	47	3.8	6.0
28	15	33	43	56	71	105	58	44	10	20	3.2	8.8
29	14	476	45	51	-	85	58	36	12	15	3.2	8.4
30	14	384	42	46	-	66	56	43	9.2	14	5.1	8.0
31	14	-	39	43	-	246	-	37	-	12	5.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	702	67	14	22.6	0.340	0.39
November	1,414	476	18	47.1	.708	.79
December	4,421	2,380	31	143	2.15	2.48
Calendar year 1934	26,199.1	2,380	5.2	71.8	1.08	14.66
January	2,857	370	39	92.2	1.39	1.60
February	1,811	138	35	64.7	.973	1.01
March	3,048	425	41	98.3	1.48	1.71
April	5,608	1,030	51	187	2.81	3.14
May	1,924	264	36	62.1	.934	1.08
June	596.2	35	9.2	19.9	.299	.33
July	663.6	85	8.8	21.4	.322	.37
August	198.7	11	3.2	6.41	.096	.11
September	711.5	354	4.1	23.7	.356	.40
Water year 1934-35	23,955.0	2,380	3.2	65.6	.986	13.41

Neuse River near Northside, N. C.

Location.- Water-stage recorder, lat. 36°2'25", long. 78°45'5", at Fish Dam Bridge, 1½ miles below Seaboard Air Line Railway bridge and 2 miles south of Northside, Granville County. Zero of gage is 226.32 feet above mean sea level.

Drainage area.- 574 square miles.

Records available.- July 1927 to September 1935.

Extremes.- Maximum discharge during year, 8,800 second-feet Nov. 30; maximum gage height, 22.35 feet Nov. 30; minimum discharge (estimated), 17 second-feet Aug. 16, 17.

1927-35: Maximum discharge, 26,600 second-feet Oct. 3, 1929 (gage height, 28.64 feet); minimum, 3.1 second-feet Sept. 20, 1932 (gage height, 0.87 foot).

Remarks.- Records good below 1,000 second-feet, fair 1,000 to 4,000 second-feet, and poor above; estimated records fair. Rate of change in stage is a factor in the determination of discharge during floods. Considerable diurnal fluctuation from power operations upstream. Low flow slightly regulated by storage in Durham Reservoir. (See Flat River at Dam near Bahama for diversion.)

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	186	131	6,480	2,050	486	568	3,160	535	188	46	67	29
2	156	128	7,260	2,580	486	502	5,190	519	165	435	57	28
3	153	129	4,520	1,210	469	435	3,440	502	166	218	49	63
4	158	128	2,650	765	419	377	1,520	452	185	88	38	32
5	161	170	1,340	667	435	335	888	435	187	66	29	174
6	163	211	739	585	435	369	766	402	178	208	34	2,610
7	285	165	601	552	402	486	1,190	469	168	81	56	1,750
8	285	166	568	585	377	585	2,520	435	148	57	52	465
9	211	156	502	585	327	502	4,410	377	128	105	63	268
10	176	126	469	766	369	419	2,760	244	139	302	48	634
11	170	97	519	750	486	419	1,160	502	144	160	41	402
12	166	94	502	585	435	546	880	319	144	513	41	235
13	154	106	486	486	369	2,520	783	344	146	252	36	170
14	131	102	486	466	639	2,100	684	352	131	1,450	*34	134
15	123	108	469	519	1,000	930	634	535	116	547	*24	123
16	132	91	435	502	806	700	618	435	115	268	*17	104
17	142	89	360	486	791	601	585	352	110	276	*17	132
18	132	86	294	452	966	519	552	302	131	866	*18	112
19	121	86	884	419	733	535	535	235	131	700	*20	102
20	116	107	1,940	585	618	568	519	226	116	385	53	116
21	112	96	951	750	568	568	1,480	1,350	99	226	42	107
22	100	96	684	634	535	535	4,560	1,440	123	191	76	83
23	131	94	585	1,280	535	519	3,550	716	86	206	46	88
24	134	104	519	1,990	469	888	1,420	585	96	182	34	105
25	118	92	486	962	419	866	848	568	108	166	27	102
26	128	96	469	700	519	2,560	667	502	120	121	23	110
27	120	99	568	634	965	3,560	618	435	108	168	24	97
28	104	89	486	566	765	2,040	535	319	113	191	26	761
29	107	3,700	486	552	-	959	519	235	64	99	40	484
30	128	8,090	452	552	-	733	552	218	42	78	52	153
31	142	-	419	519	-	1,120	-	201	-	66	37	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,647	285	100	150	0.261	0.30
November	15,034	8,090	86	501	.873	.97
December	37,609	7,260	294	1,213	2.11	2.43
Calendar year 1934	211,559	9,870	10	580	1.01	13.68
January	24,756	2,580	419	799	1.39	1.60
February	15,825	1,000	327	565	.984	1.02
March	28,364	3,560	335	915	1.59	1.83
April	47,543	5,190	519	1,585	2.76	3.08
May	14,541	1,440	201	469	.817	.94
June	3,895	188	42	130	.226	.25
July	8,719	1,450	46	281	.490	.56
August	1,223	76	17	39.5	.069	.08
September	9,773	2,610	28	326	.568	.63
Water year 1934-35	211,929	8,090	17	581	1.01	13.69

*Estimated.

Neuse River near Clayton, N. C.

Location.- Water-stage recorder, lat. 35°38'55", long. 78°24'30", at bridge 3 miles east of Clayton, Johnston County. Zero of gage is 128.12 feet above mean sea level.

Drainage area.- 1,180 square miles.

Records available.- July 1927 to September 1935.

Extremes.- Maximum discharge during year, 18,800 second-feet Dec. 1 (gage height, 18.70 feet); minimum, 99 second-feet Aug. 17 (gage height, 0.72 foot).
1927-35: Maximum discharge, 28,100 second-feet Oct. 3, 1929 (gage height, 21.62 feet); minimum, 44 second-feet Sept. 15, 1932 (gage height, 0.28 foot).

Remarks.- Records good except those estimated on basis of comparison with records of other station on same river, which are fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 28, Sept. 10-30)

0.6	81	3.5	1,305	11.0	7,800
.8	112	4.0	1,640	12.0	8,800
1.0	149	5.0	2,340	13.0	9,900
1.3	216	6.0	3,140	14.0	11,000
1.6	302	7.0	4,000	15.0	12,200
2.0	452	8.0	4,900	16.0	13,500
2.5	689	9.0	5,800	17.0	15,000
3.0	980	10.0	6,800	18.0	17,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	554	372	17,500	3,180	980	2,200	3,350	948	500	206	229	232
2	444	440	13,000	4,810	948	1,500	4,450	887	469	234	209	197
3	384	372	10,700	4,270	948	1,240	4,990	857	427	615	194	177
4	350	372	9,680	3,660	980	1,080	5,440	828	522	564	186	179
5	347	482	9,020	1,780	887	980	5,530	799	504	423	164	421
6	392	427	7,700	1,400	887	948	3,720	743	452	573	183	4,540
7	432	419	3,930	1,240	828	1,040	2,500	716	432	392	168	5,800
8	448	392	1,440	1,140	799	1,140	3,300	771	411	372	256	4,720
9	486	354	1,240	1,270	771	1,180	4,630	716	392	312	232	2,560
10	411	350	1,110	1,370	771	1,040	4,810	716	368	933	209	857
11	384	436	980	1,470	828	980	5,170	799	365	689	224	1,010
12	361	392	980	1,440	917	1,040	4,980	628	354	771	177	1,110
13	319	361	948	1,180	887	3,530	2,620	716	361	857	174	743
14	319	302	917	1,040	1,010	4,540	1,850	663	403	980	168	531
15	293	322	887	948	1,780	4,180	1,570	799	596	1,840	157	384
16	326	319	857	980	2,130	2,900	1,370	917	495	1,320	145	365
17	280	316	857	980	1,850	1,600	1,300	887	384	752	109	354
18	268	271	771	948	1,710	1,340	1,210	716	372	1,030	125	326
19	286	286	1,280	857	1,780	1,140	1,140	622	354	1,420	160	*340
20	280	333	3,160	948	1,440	1,180	1,110	607	444	1,210	197	*320
21	271	296	3,380	1,300	1,180	1,140	1,550	2,560	392	716	286	*310
22	259	309	2,690	1,540	1,040	1,140	3,240	2,740	309	500	262	*300
23	286	336	1,540	2,280	980	1,140	4,090	2,870	319	440	209	*290
24	256	573	1,240	3,550	948	1,440	4,810	1,800	286	395	197	*280
25	277	384	1,080	3,550	887	1,990	5,170	1,300	262	384	170	*270
26	283	336	1,080	2,650	806	3,410	3,210	1,110	271	455	141	265
27	290	365	1,080	1,600	3,590	4,540	1,370	917	277	689	157	262
28	277	343	1,140	1,370	4,550	4,630	1,180	771	265	372	138	840
29	259	6,550	1,040	1,180	-	4,880	1,080	689	271	403	136	1,110
30	302	14,600	980	1,140	-	3,150	1,010	564	234	347	358	980
31	277	-	948	1,080	-	2,350	-	531	-	256	312	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	10,401	554	256	336	0.285	0.33
November	31,410	14,600	271	1,047	.887	.99
December	103,155	17,500	771	3,328	2.82	3.25
Calendar year 1934	482,647	17,500	80	1,322	1.12	15.23
January	56,151	4,810	857	1,811	1.53	1.76
February	37,112	4,550	771	1,325	1.12	1.17
March	64,588	4,880	948	2,083	1.77	2.04
April	91,750	5,530	1,010	3,058	2.59	2.89
May	31,387	2,870	531	1,012	.858	.99
June	11,491	596	234	383	.325	.36
July	20,450	1,840	206	660	.559	.64
August	6,031	358	109	195	.165	.19
September	30,073	5,800	177	1,002	.849	.95
Water year 1934-35	493,999	17,500	109	1,353	1.15	15.56

*Estimated.

Neuse River near Goldsboro, N. C.

Location.- Water-stage recorder, lat. 35°20'40", long. 78°1'35", a quarter of a mile above bridge on State Highway 40, 2½ miles above Stoney Creek, and 3 miles south of Goldsboro, Wayne County.

Drainage area.- 2,380 square miles.

Records available.- February 1930 to September 1935.

Extremes.- Maximum discharge during year, 23,100 second-feet (estimated) Dec. 6; maximum gage height, 23.8 feet (estimated) Dec. 6; minimum, 246 second-feet Aug. 28 (gage height, 1.83 feet).
1930-35: Maximum discharge and gage height, those of Dec. 6, 1934; minimum, 85 second-feet Sept. 14, 1932 (gage height, 1.03 feet).
Maximum stage known, 25.3 feet Oct. 5, 1929 (discharge, 27,300 second-feet, revised).

Remarks.- Records good except those estimated and those corrected for intake lag, Oct. 1 to Nov. 15, June 2 to July 9, July 24 to Sept. 5, which are fair. Estimated discharge derived from gage-height record, estimated characteristic flood graphs, and comparison with records of station at Clayton. Rising and falling stages are a factor in the determination of discharge during floods.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,310	452	5,210	2,750	2,500	4,430	6,960	2,340	1,010	316	*662	554
2	1,880	420	6,420	3,860	2,280	5,120	6,660	2,080	922	321	*519	519
3	1,380	468	8,110	5,100	2,130	5,300	6,040	1,880	819	308	436	420
4	1,120	607	14,200	5,900	2,130	4,860	5,700	1,640	779	303	*452	390
5	965	644	*21,800	6,420	2,130	3,450	5,720	1,510	819	532	*436	405
6	898	625	*21,600	6,720	2,080	2,570	5,790	1,330	943	572	405	2,830
7	920	722	*17,600	6,450	1,930	2,230	6,270	1,240	1,070	554	376	5,220
8	942	682	14,800	5,440	1,830	2,130	6,720	1,200	922	700	356	6,620
9	965	625	12,700	4,040	1,740	2,130	7,040	1,160	779	607	348	7,360
10	942	625	11,100	3,680	1,740	2,130	6,660	1,110	700	682	405	7,600
11	920	589	9,460	4,500	1,740	1,980	6,040	1,050	662	759	405	7,220
12	830	536	7,120	4,560	1,740	1,880	5,810	1,160	607	1,110	376	6,640
13	764	572	4,200	4,320	1,780	2,090	5,700	1,200	572	1,200	348	6,080
14	722	607	2,520	3,800	1,970	3,180	5,760	1,200	554	1,240	308	5,270
15	644	607	2,180	3,190	2,580	4,500	5,760	1,110	554	2,600	279	4,200
16	625	572	2,030	2,720	3,600	5,080	5,300	1,070	572	5,470	301	3,070
17	625	572	1,880	2,500	4,480	5,400	3,700	1,200	720	5,660	257	2,340
18	625	519	1,830	2,390	4,680	5,480	2,570	1,380	720	4,920	275	1,830
19	572	502	2,060	2,280	4,290	4,760	2,230	1,330	669	3,640	261	1,380
20	554	485	2,810	2,180	3,780	3,060	2,030	1,160	901	2,960	266	1,160
21	536	485	3,980	2,180	3,360	2,280	2,080	1,160	644	2,610	311	1,010
22	502	502	4,890	2,500	2,780	2,130	2,580	2,350	589	*2,030	*362	880
23	468	485	5,120	3,190	2,340	2,080	3,660	4,260	554	*1,640	*390	922
24	485	572	5,120	4,110	2,130	2,080	4,500	4,980	468	*1,380	*376	819
25	485	808	4,290	5,020	1,930	2,230	4,840	5,120	420	*1,240	340	739
26	468	1,010	3,130	5,680	1,830	2,970	5,120	4,730	405	*1,240	291	644
27	468	1,030	2,660	6,040	1,970	4,110	5,330	3,440	362	1,240	263	607
28	452	898	2,660	5,790	2,920	5,080	5,300	2,250	362	*1,290	254	607
29	436	1,130	2,660	4,920	-	5,880	4,600	1,740	376	*1,200	272	700
30	420	3,120	2,610	3,550	-	6,400	3,030	1,420	345	*1,030	436	1,240
31	420	-	2,440	2,850	-	6,720	-	1,200	-	*819	485	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	24,343	2,310	420	785	0.330	0.38
November	21,471	3,120	420	716	.301	.34
December	209,210	21,800	1,830	6,749	2.84	3.27
Calendar year 1934	901,848	21,800	254	2,471	1.04	14.09
January	128,830	6,720	2,180	4,156	1.75	2.02
February	70,340	4,680	1,740	2,512	1.06	1.10
March	113,720	6,720	1,880	3,668	1.54	1.78
April	149,500	7,040	2,030	4,983	2.09	2.33
May	60,000	5,120	1,050	1,935	.813	.94
June	19,819	1,070	345	661	.278	.31
July	50,173	5,660	303	1,618	.680	.78
August	11,251	662	254	363	.153	.18
September	79,276	7,600	390	2,643	1.11	1.24
Water year 1934-35	937,933	21,800	254	2,570	1.08	14.67

*Estimated.

Neuse River at Kinston, N. C.

Location.- Water-stage recorder, lat. 35°15'30", long. 77°35'10", two blocks below bridge on State Highway 11 at Kinston, Lenoir County. Zero of gage is 10.80 feet above mean sea level. Prior to Nov. 25, 1934, chain gage at bridge on State Highway 12 about 1 mile downstream at 0.80 foot lower datum.

Drainage area.- 2,700 square miles.

Records available.- February 1930 to September 1935.

Extremes.- Maximum discharge during year, 18,500 second-feet Dec. 9 (gage height, 19.16 feet); minimum, 476 second-feet Aug. 16 (gage height, 2.77 feet).
1930-35: Maximum discharge, that of Dec. 9, 1934; minimum, 124 second-feet Sept. 26, 1932 (gage height, 1.29 feet, former site and datum).
Maximum stage known, 24.6 feet (former site and datum) July 1919 (discharge, about 39,000 second-feet).

Remarks.- Records fair prior to Nov. 25; good after that date except those below 800 second-feet and those estimated, which are fair. Estimated discharge determined from gage heights estimated from comparison with records of this river at Goldsboro and station characteristics.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Nov. 24		Table for Nov. 25 to Sept. 30			
3.0	628	2.6	433	13.0	6,840
3.3	740	3.0	551	14.0	7,770
3.6	864	3.5	733	15.0	8,900
4.0	1,040	4.0	950	16.0	10,400
5.0	1,510	6.0	1,980	17.0	12,500
6.0	2,010	8.0	3,150	18.0	15,000
7.0	2,560	10.0	4,520	19.0	17,900
8.0	3,140	12.0	6,000	20.0	21,200

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,340	664	3,150	3,280	4,380	3,150	6,490	4,730	1,600	584	1,190	1,340
2	2,900	628	4,310	3,680	3,480	3,890	6,750	3,410	1,340	551	972	1,040
3	2,280	664	5,100	4,100	3,020	4,590	6,930	2,660	1,220	536	818	1,020
4	1,910	700	6,000	4,660	2,840	5,100	6,930	2,310	1,120	520	713	1,090
5	1,610	740	6,930	5,250	2,720	5,320	6,840	2,090	*1,060	490	602	1,040
6	1,460	952	8,900	5,850	2,660	4,880	6,660	1,870	*1,060	602	551	2,140
7	1,420	952	13,000	6,320	2,600	3,680	6,660	1,760	*1,340	796	536	3,750
8	1,320	864	16,700	6,580	2,480	2,840	6,580	1,650	*1,540	796	637	4,880
9	1,230	952	18,200	6,840	2,360	2,600	6,660	1,540	1,390	1,020	884	5,850
10	1,320	822	17,900	6,490	2,260	2,540	6,840	1,490	1,090	928	972	6,660
11	1,320	864	16,700	5,700	2,260	2,540	7,020	1,440	972	950	775	7,300
12	1,230	780	15,000	5,180	2,200	2,480	7,200	1,340	950	1,120	713	7,970
13	1,180	780	13,000	5,100	2,200	2,540	7,200	1,340	862	1,340	655	8,540
14	1,090	822	10,100	5,020	2,360	2,660	7,020	1,440	796	1,540	602	8,660
15	996	780	7,110	4,800	2,780	3,280	6,660	1,490	775	*2,090	536	8,190
16	864	822	4,520	4,310	3,150	4,030	*6,320	1,440	796	*2,960	490	7,390
17	908	822	3,080	3,340	3,750	4,660	*5,250	1,440	775	*4,800	520	6,490
18	864	780	2,540	3,280	4,310	5,020	*4,240	1,600	884	*5,700	505	4,880
19	864	780	2,540	3,020	4,730	5,400	*3,540	1,600	928	*5,920	568	3,820
20	822	740	2,840	2,840	4,880	5,550	*3,020	1,600	884	*5,400	584	2,900
21	780	700	3,220	2,840	4,590	4,880	2,660	1,490	1,090	4,380	655	2,310
22	700	628	3,820	2,640	4,100	3,540	2,660	1,490	972	3,340	862	1,650
23	740	664	4,380	3,220	3,480	2,780	2,900	2,260	818	2,540	928	1,440
24	740	740	4,880	3,960	3,020	2,540	3,480	3,480	775	1,870	1,260	1,490
25	700	818	5,250	4,450	2,660	2,540	4,030	4,170	713	1,440	972	1,490
26	700	972	5,250	4,950	2,420	2,840	4,520	4,730	637	1,190	713	1,340
27	700	1,190	4,660	5,400	2,420	3,410	4,800	5,020	619	*1,220	584	1,240
28	700	1,290	3,820	5,850	2,540	4,030	5,100	4,660	568	*1,490	536	1,140
29	664	1,390	3,340	6,080	-	4,660	5,550	3,280	551	1,760	568	1,060
30	628	1,980	3,220	6,080	-	5,400	5,550	2,260	568	1,820	995	1,020
31	664	-	3,150	5,480	-	6,000	-	1,820	-	1,490	1,490	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	35,644	2,900	628	1,150	0.426	0.49
November	26,280	1,980	628	876	.324	.36
December	222,610	18,200	2,540	7,181	2.66	3.07
Calendar year 1934	1,025,842	18,200	280	2,811	1.04	14.11
January	146,790	6,840	2,840	4,735	1.75	2.02
February	86,650	4,880	2,200	3,095	1.15	1.20
March	119,370	6,000	2,480	3,851	1.43	1.65
April	166,060	7,200	2,660	5,535	2.05	2.29
May	72,900	5,020	1,340	2,352	.871	1.00
June	28,693	1,600	551	956	.354	.40
July	61,183	5,920	490	1,974	.731	.84
August	23,386	1,490	490	754	.279	.32
September	109,130	8,660	1,020	3,638	1.35	1.51
Water year 1934-35	1,098,696	18,200	490	3,010	1.11	15.15

*Estimated.

Flat River at Bahama, N. C.

Location.- Water-stage recorder, lat. 36°11'25", long. 78°53', at head of Lake Michie, and 1 mile north of Bahama, Durham County, and 1¼ miles above Dial Creek. Zero of gage is 255.05 feet above mean sea level.

Drainage area.- 150 square miles.

Records available.- July 1925 to September 1935.

Average discharge.- 10 years, 132 second-feet.

Extremes.- Maximum discharge during year, 6,880 second-feet Dec. 1 (gage height, 8.47 feet); minimum, 6.2 second-feet Aug. 6, 7 (gage height, 1.15 feet).
1925-35: Maximum discharge, 13,600 second-feet Sept. 8, 1934 (gage height, 0.23 foot).

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	3.6	3.6	315
1.2	7.4	4.0	504
1.4	13.9	4.5	860
1.6	22	5.0	1,360
1.8	32	5.5	1,960
2.0	42	6.0	2,625
2.3	58	6.5	3,320
2.6	79	7.0	4,080
3.0	140	7.5	4,930
3.3	215		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	21	4,310	1,330	86	110	2,640	123	47	12.2	26	8
2	46	22	584	466	84	105	790	104	42	12.5	16.7	7.4
3	54	24	278	242	93	89	406	97	39	12.5	17.5	6.9
4	53	32	215	188	98	87	278	97	42	13.6	12.2	6.9
5	39	35	176	145	87	85	239	83	39	14.3	9.8	45
6	62	30	145	127	79	102	215	81	42	15.1	6.9	1,410
7	90	30	127	123	73	385	340	114	39	14.7	14.8	110
8	74	26	114	116	69	199	2,300	112	36	13.9	65	49
9	54	21	102	127	72	127	778	81	34	16.7	63	50
10	36	18.7	92	221	207	102	370	72	32	33	46	314
11	28	26	85	158	92	104	271	83	30	51	36	81
12	26	30	75	110	125	394	236	67	30	45	34	50
13	34	24	69	92	107	1,470	254	87	30	68	26	37
14	28	27	68	89	343	340	199	88	27	46	17.9	28
15	31	21	63	80	445	221	176	116	24	30	14.3	24
16	26	24	60	75	252	178	161	81	24	26	16.7	25
17	28	23	59	89	695	152	140	78	20	93	10.7	15.1
18	26	21	62	90	327	134	130	70	22	125	8	15.1
19	27	21	566	76	218	116	121	57	27	140	7.7	17.1
20	26	24	538	244	176	123	114	56	24	76	11.1	13.9
21	24	22	202	271	138	127	3,280	618	21	40	23	12.8
22	24	24	154	193	123	110	1,280	208	20	32	27	13.2
23	22	24	123	1,170	117	110	365	116	18.7	26	15.5	13.6
24	22	41	107	512	104	645	254	87	18.7	23	12.2	12.2
25	24	51	97	242	98	418	207	86	19.1	16.7	10.4	8.6
26	22	36	96	193	99	1,850	176	74	17.5	14.3	9.2	10.4
27	20	26	114	173	228	460	152	60	14.3	126	8.3	15.5
28	19.5	30	90	142	161	285	138	58	10.4	75	8.3	88
29	19.1	4,100	89	119	-	271	140	53	11.4	48	8	36
30	21	1,900	94	114	-	365	140	46	11.8	30	9.2	26
31	17.9	-	80	99	-	786	-	45	-	29	9.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,079.5	90	17.9	34.8	0.232	0.27
November	6,754.7	4,100	18.7	225	1.50	1.67
December	9,034	4,310	59	291	1.94	2.24
Calendar year 1934	71,157.2	4,950	3.05	195	1.30	17.65
January	7,416	1,330	75	239	1.59	1.83
February	4,796	695	69	171	1.14	1.19
March	10,050	1,850	85	324	2.16	2.49
April	16,290	3,280	114	543	3.62	4.04
May	3,198	618	45	103	.687	.79
June	812.9	47	10.4	27.1	.181	.20
July	1,318.5	140	12.2	42.5	.283	.33
August	600.6	65	6.9	19.4	.129	.15
September	2,549.7	1,410	6.9	85.0	.567	.63
Water year 1934-35	63,899.9	4,310	6.9	175	1.17	15.83

Flat River at dam near Bahama, N. C.

Location.- Water-stage recorder, lat. 36°9'5", long. 78°50'55", just below Durham municipal dam at old Tilley mill site, 3 miles southeast of Bahama, Durham County and 4 miles above junction with Eno River.

Drainage area.- 171 square miles.

Records available.- August 1927 to September 1935.

Extremes.- Maximum discharge during year, 5,360 second-feet Dec. 1 (gage height, 12.82 feet); minimum, 0.3 second-foot Nov. 27; minimum mean daily discharge (estimated), 3 second-feet Aug. 3-5.

1927-35: Maximum discharge, 11,400 second-feet Oct. 2, 1929 (gage height, 16.72 feet); minimum, 0.14 second-foot Dec. 5, 1933 (gage height, 0.85 foot); minimum mean daily discharge, 0.2 second-foot Dec. 5, 1933.

Remarks.- Records good except those estimated, which are poor. Estimates based on power-plant tailrace gage, fragmentary gage-height record, information about plant operation, and comparison with other discharge records in the vicinity. Considerable regulation by Durham Reservoir just above station, where water is also diverted for Durham water supply. Large diurnal fluctuation from power-plant operations.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	1.25	2.0	100	3.6	566
1.1	5.0	2.2	140	4.0	706
1.2	11	2.4	188	4.5	891
1.3	17	2.6	244	5.0	1,090
1.4	24	2.8	304	6.0	1,490
1.6	41	3.0	366	8.0	2,400
1.8	66	3.3	465	10.0	3,445
				11.0	4,070

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	70	3,690	124	276	206	2,790	283	*45	*5	*4	*4
2	56	76	1,430	277	273	207	1,320	262	*40	*4	3.3	*60
3	81	74	476	281	168	154	581	256	*65	*4	*3	*5
4	84	65	342	279	206	113	423	255	*50	*4	*3	*5
5	75	83	306	289	213	116	339	173	*50	*4	*3	*5
6	66	85	290	189	230	112	294	269	*60	*4	*25	*60
7	64	84	273	294	214	77	271	199	*55	*4	*4	*100
8	81	89	273	300	136	202	1,930	210	57	*4	*4	122
9	78	80	180	291	136	204	1,140	108	55	*4	*4	100
10	78	40	277	269	111	167	535	60	75	*4	*4	74
11	79	29	285	277	127	206	404	59	72	*4	*4	80
12	78	31	282	214	148	150	332	53	73	*80	*4	75
13	70	34	278	168	124	266	308	70	70	80	4.1	78
14	62	41	280	285	195	314	199	70	76	*60	4.6	64
15	79	35	294	303	201	296	303	67	62	*80	*4	65
16	77	39	200	299	200	275	282	62	66	*70	*4	81
17	77	30	126	225	145	146	274	59	73	*60	*4	83
18	76	26	126	220	275	248	274	50	84	*60	*4	80
19	75	35	122	*190	285	263	268	55	88	*70	*4	68
20	70	39	186	*150	285	248	255	71	75	*80	*4	80
21	55	30	217	*95	281	259	1,460	250	84	73	*25	*70
22	81	39	266	*200	293	258	2,070	260	75	101	*5	61
23	80	39	186	*280	297	194	590	259	73	*90	*5	95
24	79	24	243	*280	158	83	411	249	86	*80	4.6	88
25	81	23	147	256	267	296	318	246	79	*50	4.6	*55
26	79	24	219	*300	282	1,750	276	159	86	*5	4.6	*55
27	72	21	188	*200	285	741	273	224	106	5	*4	*55
28	64	27	178	281	263	448	165	*55	25	5	*4	54
29	79	661	186	280	-	385	259	*55	4.6	5	*4	54
30	83	2,400	162	275	-	308	253	*60	4.1	*4	*4	*50
31	82	-	168	269	-	463	-	*45	-	*4	*4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,306	84	55	74.4	0.435	0.50
November	4,373	2,400	21	146	.854	.95
December	11,876	3,690	122	383	2.24	2.58
Calendar year 1934	70,376.55	5,420	.65	193	1.13	15.30
January	7,640	303	95	246	1.44	1.66
February	6,074	297	111	217	1.27	1.32
March	9,156	1,750	77	295	1.73	1.99
April	18,597	2,790	165	620	3.63	4.05
May	4,553	283	45	147	.860	.99
June	1,913.7	106	4.1	63.8	.373	.42
July	1,107.0	101	4	35.7	.209	.24
August	166.8	25	3	5.38	.031	.04
September	1,926	122	4	64.2	.375	.42
Water year 1934-35	69,687.5	3,690	3	191	1.12	15.16

*Estimated.

Dial Creek near Bahama, N. C.

Location.- Water-stage recorder, lat. 36°10'50", long. 78°51'55", three-eighths of a mile above confluence with Flat River and Lake Michie and 1½ miles northeast of Bahama, Durham County.

Drainage area.- 4.9 square miles.

Records available.- October 1925 to September 1935.

Extremes.- Maximum discharge during year, 333 second-feet Nov. 29 (gage height, 4.50 feet); minimum, 0.05 second-foot Aug. 7 (gage height, 0.21 foot).
1925-35: Maximum discharge, 575 second-feet Apr. 27, 1928 (gage height, 5.60 feet); no flow at times in 1926, 1930-33.

Remarks.- Records good below 80 second-feet and fair above. Discharge below 14 second-feet based on formula for 2-foot triangular weir checked by discharge measurements.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.2	0.05	1.6	8.0
.4	.26	1.8	10.8
.6	.71	2.0	14.0
.8	1.45	2.3	27
1.0	2.52	2.6	55
1.2	3.95	3.0	101
1.4	5.8	3.3	141

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.59	1.08	85	41	3.48	3.79	96	3.41	1.59	0.15	0.26	0.39
2	1.28	1.04	13.3	9.9	3.87	3.56	17.4	3.19	1.36	.18	.16	.37
3	1.20	.84	6.9	6.5	3.41	3.33	11.0	2.98	1.36	.25	.14	.30
4	1.12	1.87	5.6	4.91	3.12	3.05	7.9	2.98	1.64	.16	.13	.52
5	1.92	1.61	4.29	4.04	2.71	3.48	6.6	2.65	1.41	.14	.12	9.1
6	3.46	1.08	3.79	3.95	2.65	4.32	6.7	3.26	1.16	.22	.09	49
7	2.30	.94	3.48	3.71	2.40	7.0	10.4	4.37	1.28	.37	3.70	3.42
8	1.50	.94	3.26	3.56	2.58	3.95	60	2.98	1.12	.43	2.97	2.05
9	1.28	.87	2.98	4.46	2.65	3.19	15.5	2.46	1.04	3.37	3.26	13.6
10	1.16	.84	2.84	4.04	5.9	3.12	9.8	3.05	1.04	4.16	.46	9.6
11	1.36	1.41	2.65	3.41	3.41	3.26	7.6	3.19	.87	1.52	.43	3.33
12	1.12	1.12	2.34	2.84	2.98	28	6.9	2.65	.80	.71	.30	2.11
13	.87	.97	2.46	2.84	3.86	24	6.1	3.41	.77	18.4	.23	1.74
14	.84	.94	2.28	2.78	9.2	9.4	5.9	4.28	.63	8.8	.16	1.20
15	.64	.94	2.05	2.52	8.4	6.0	5.0	3.77	.77	1.89	.13	.94
16	.84	.90	2.16	2.65	5.3	4.64	4.46	3.12	1.08	1.79	.09	.77
17	.80	.90	2.16	3.71	8.4	4.12	4.12	3.56	.90	6.7	.08	.66
18	.84	.90	2.00	2.52	5.3	3.48	4.04	2.46	.71	2.99	.60	.63
19	.87	.90	20	2.40	4.55	3.64	3.87	2.28	.60	1.59	2.93	.63
20	.84	.90	8.0	8.2	3.79	4.04	3.79	4.57	.63	1.20	3.13	.58
21	.77	.90	5.0	5.1	3.41	3.64	89	24	.48	.90	1.94	.50
22	.74	.90	4.20	4.20	3.33	3.33	21	5.6	1.25	2.54	.66	.43
23	.74	1.04	3.48	16.9	3.19	9.3	9.8	2.16	.60	1.24	.46	.35
24	.68	1.45	3.26	9.5	2.84	16.0	7.1	2.00	.46	.71	.41	.31
25	.74	1.16	3.12	6.3	2.84	16.0	6.0	3.41	.37	.60	.26	.31
26	.94	1.01	4.04	5.4	4.31	41	5.0	2.71	.35	.80	.18	.30
27	.87	1.04	3.12	4.82	8.6	12.1	4.73	2.34	.31	2.30	.13	2.50
28	.74	1.20	2.91	3.79	4.29	8.7	4.37	2.05	.26	.63	.13	12.1
29	.68	169	3.33	3.95	-	6.6	4.29	2.00	.19	.50	.30	1.69
30	.46	46	2.84	3.64	-	5.4	3.79	1.89	.18	.37	1.01	.97
31	.74	-	4.83	3.26	-	47	-	2.05	-	.33	.52	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	34.13	3.46	0.46	1.10	0.224	0.26
November	244.69	169	.84	8.16	1.67	1.86
December	217.67	85	2.00	7.02	1.43	1.65
Calendar year 1934	1,732.95	169	.12	4.75	.969	13.16
January	186.80	41	2.40	6.03	1.23	1.42
February	120.77	9.2	2.40	4.31	.880	.92
March	298.44	47	3.05	9.63	1.97	2.27
April	448.16	96	3.79	14.9	3.04	3.39
May	114.83	24	1.89	3.70	.755	.87
June	25.21	1.64	.18	.840	.171	.19
July	65.94	18.4	.14	2.13	.435	.50
August	25.37	3.70	.08	.818	.167	.19
September	120.40	49	.30	4.01	.818	.91
Water year 1934-35	1,902.41	169	.08	5.21	1.06	14.43

Little River near Princeton, N. C.

Location.- Water-stage recorder, lat. 35°30'40", long. 78°30", a quarter of a mile above county bridge, three-quarters of a mile above Little Creek, and 3 miles north of Princeton, Johnston County. Prior to Nov. 16, 1934, staff gage at same site and datum.

Drainage area.- 221 square miles.

Records available.- February 1930 to September 1933, January 1934 to September 1935.

Extremes.- Maximum discharge during year, 4,030 second-feet Dec. 2 (gage height, 12.88 feet); minimum, 2.5 second-feet Aug. 26 (gage height, 0.36 foot).
1930-35: Maximum discharge, that of Dec. 2, 1934; minimum, 1.0 second-foot several times in September 1932 and Oct. 2, 3, 1932.
Maximum stage known, 14.90 feet September 1924.

Remarks.- Records good except those estimated and those for Oct. 1 to Nov. 16, Jan. 1-24, June 9-14, when staff gage was used, which are fair. Estimates based on fragmentary gage-height record. Considerable diurnal fluctuation from power-plant operation upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.4	3.5	4.0	602
.6	13	6.0	1,042
.8	28	7.0	1,268
1.0	48	8.0	1,510
1.3	86	8.5	1,652
1.6	130	9.0	1,820
2.0	194	10.0	2,280
2.5	283	11.0	2,880
3.0	384	12.0	3,540
3.5	492	12.7	4,030

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	170	38	1,940	624	216	503	624	167	96	20	56	19
2	138	37	3,820	1,090	199	448	690	144	78	29	39	50
3	115	58	3,400	910	199	374	580	121	90	30	42	53
4	87	16	2,280	646	208	283	459	191	92	12	23	50
5	85	58	917	492	201	255	394	103	89	64	38	98
6	92	97	525	342	188	216	352	104	100	102	44	1,360
7	92	94	405	322	173	214	470	93	96	26	31	1,620
8	115	79	322	264	162	218	602	100	89	56	42	1,060
9	89	75	255	384	159	191	624	102	66	48	42	800
10	82	48	228	800	157	165	580	72	73	42	62	547
11	67	14	204	844	170	160	448	124	65	65	73	394
12	60	42	184	624	165	157	374	127	49	69	70	332
13	71	72	168	448	164	460	332	114	48	106	49	352
14	61	70	162	363	248	624	312	102	45	800	45	216
15	65	70	157	302	514	470	274	106	37	1,090	36	148
16	85	52	164	264	558	324	237	90	31	646	48	121
17	54	56	167	246	405	302	206	98	85	374	28	96
18	53	45	159	228	332	237	180	124	47	437	12	79
19	44	61	250	211	274	199	167	116	38	470	5	68
20	58	58	558	211	228	189	352	132	53	374	28	65
21	12	49	558	302	204	184	266	877	47	246	40	62
22	53	52	416	342	197	176	580	1,200	42	180	54	47
23	54	51	*342	580	194	181	602	866	40	114	60	71
24	58	131	*264	976	162	237	492	668	59	78	39	57
25	48	135	*214	822	146	302	374	547	38	66	8	53
26	60	183	*216	624	143	682	274	363	39	67	3.8	44
27	36	127	*255	514	378	1,040	201	246	39	228	22	51
28	13	115	*274	394	646	866	165	192	63	352	38	50
29	32	466	*264	322	-	756	160	160	15	179	15	78
30	58	1,170	*255	283	-	602	167	127	11	104	46	95
31	40	-	*228	246	-	492	-	116	-	80	36	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,137	170	12	68.9	0.312	0.36
November	3,619	1,170	14	121	.548	.61
December	19,551	3,820	157	631	2.86	3.30
Calendar year						
January	15,020	1,090	211	485	2.19	2.52
February	6,990	646	143	250	1.13	1.18
March	11,569	1,040	157	373	1.69	1.95
April	11,538	690	160	385	1.74	1.94
May	7,692	1,200	72	248	1.12	1.29
June	1,760	100	11	58.7	.266	.30
July	6,554	1,090	12	211	.955	1.10
August	1,174.8	73	3.8	37.9	.171	.20
September	8,126	1,620	19	271	1.23	1.37
Water year 1934-35	95,730.8	3,820	3.8	262	1.19	16.12

*Estimated.

Contentnea Creek near Wilson, N. C.

Location.- Water-stage recorder, lat. 35°41'15", long. 77°56'50", at bridge on U. S. Highway 301 just below municipal power plant, 1 mile above Atlantic Coast Line Railroad bridge, and 3 miles southwest of Wilson, Wilson County.

Drainage area.- 245 square miles.

Records available.- February 1930 to September 1935.

Extremes.- Maximum discharge during water year 1933-34, 2,220 second-feet July 24 (gage height, 8.68 feet); minimum, about 0.2 second-foot Dec. 11-27 (gage height, 0.40 foot).

Maximum discharge during water-year 1934-35, 2,580 second-feet Dec. 2 (gage height, 9.50 feet); minimum, 3.2 second-feet June 20 (gage height, 0.54 foot).

1930-35: Maximum discharge, that of Dec. 2, 1934; minimum, about 0.2 second-foot several days in October 1932 and December 1933.

Maximum known stage, about 24.3 feet September 1924.

Remarks.- Records good except those estimated, which are fair. Estimates based on power-plant records, fragmentary gage-height records, and comparison with records of Little River near Princeton. Large diurnal fluctuation from power operations. Considerable storage in pond above power plant for short periods during low flows.

Discharge, in second-feet, water year October 1933 to September 1934

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.4	0.6	0.2	1.2	61	106	351	24	148	27	230	307
2	2.4	.4	.2	.7	1.3	39	311	48	80	359	71	208
3	2.4	.4	.2	.7	42	94	249	138	160	366	152	236
4	2.3	.4	.2	.7	.8	*1	179	34	248	337	117	426
5	2.2	.4	.2	.7	36	e3	147	148	151	254	995	321
6	3.2	.4	.2	.7	37	59	157	6.0	37	138	1,060	267
7	2.3	.3	.3	.6	.8	111	243	130	219	64	756	241
8	2.3	.3	.2	.6	36	159	137	6.0	262	6.9	375	235
9	2.3	.3	.2	1e	.7	39	254	30	332	337	214	61
10	2	.3	.2	.4	47	134	401	83	*330	1,430	81	202
11	1.9	.3	.2	31	.9	30	778	8.9	137	1,190	148	*36
12	1.9	.3	.2	3.6	35	131	1,040	42	317	574	249	*140
13	1.9	.3	.2	43	78	88	1,020	8.9	190	334	565	*36
14	1.9	.3	.2	.6	.8	137	688	8.9	151	249	507	*120
15	1.8	.3	.2	.6	54	195	357	65	27	26	259	*150
16	1.8	.3	.2	.6	39	183	302	102	156	93	98	*500
17	1.4	.3	.2	.6	e5	250	267	151	26	52	25	*800
18	1.2	.3	.2	36	.5	191	334	242	50	52	134	*600
19	1.1	.3	.2	1.e	49	167	382	247	*550	185	6.2	*400
20	1.1	.3	.2	1.2	34	231	524	39	*1,200	42	56	*500
21	1.1	.3	.2	1.0	34	182	771	145	*900	176	63	*364
22	1.0	.3	.2	.9	39	276	581	28	*360	175	57	283
23	1.0	.3	.2	31	45	321	455	86	258	469	71	228
24	1.0	.2	.2	1.6	44	321	309	26	24	1,880	223	209
25	1.0	.2	.2	1.9	.6	151	232	26	48	1,240	242	95
26	1.0	.2	.2	36	117	229	185	51	166	526	462	117
27	1.0	.2	12	36	1.e	205	56	28	94	267	1,210	94
28	1.0	.2	22	.4	39	284	228	28	43	232	1,200	165
29	.9	.2	12	36	-	426	24	152	48	34	1,610	576
30	.8	.2	2.2	1.3	-	477	138	27	139	246	1,480	602
31	.e	-	2.0	1.3	-	450	-	86	-	252	741	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October		3.2	0.8	1.63	0.0067	0.008
November		.6	.2	.30	.0012	.001
December		22	.2	1.79	.0073	.008
Calendar year						
January		43	.4	9.35	.038	.04
February		117	.5	34.3	.140	.15
March		477	1	185	.755	.87
April		1,040	24	370	1.51	1.68
May		247	6.0	75.0	.306	.35
June		1,200	24	228	.931	1.04
July		1,880	6.9	375	1.53	1.76
August		1,610	6.2	434	1.77	2.04
September		800	36	284	1.16	1.29
Water year 1933-34		1,880	.2	167	.682	9.24

*Estimated.

Note.- Records for water year 1933-34 supersede those published in Water-Supply Paper 757.

Contentnea Creek near Wilson, N. C.

(Continued)

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	304	70	1,400	422	*280	656	529	150	121	10	8.6	*9.2
2	194	42	2,040	880	*260	665	643	200	8.6	10	87	*9.2
3	116	88	2,220	976	*240	430	688	68	56	86	52	9.5
4	116	57	1,340	941	*220	288	622	152	35	225	7.8	8.7
5	46	75	780	635	*220	250	460	12	46	48	7.8	81
6	136	70	436	389	*220	240	404	184	124	50	118	813
7	34	71	325	303	*150	237	491	43	9.7	10	9.2	1,530
8	153	60	275	276	*150	234	609	60	61	60	60	1,380
9	48	8.6	251	501	*250	233	717	74	11	44	51	1,040
10	104	87	243	1,020	*70	47	751	76	64	45	151	520
11	53	8.6	239	977	*250	238	662	136	11	9.5	12	317
12	100	103	174	912	*200	127	478	7.6	63	126	15	269
13	83	62	100	735	*250	291	352	195	10	11	107	236
14	6.9	113	152	467	*250	561	347	40	64	219	14	196
15	54	59	225	343	*400	633	363	65	62	884	13	8.9
16	57	9.2	95	301	*500	592	309	131	10	1,480	13	142
17	57	90	141	281	*550	349	257	69	10	1,070	14	12
18	53	9.2	148	268	*460	253	237	225	6.2	698	15	134
19	7.3	60	141	252	*360	233	232	7.8	4.2	835	49	64
20	72	62	464	244	*300	229	190	136	124	1,090	12	59
21	7.6	62	577	264	*220	142	146	269	9.2	786	52	60
22	78	59	548	336	*200	230	420	685	9.2	343	16	14
23	7.3	61	406	574	*200	139	637	841	8.9	218	52	164
24	82	93	286	923	*50	166	760	863	9.2	11	13	11
25	86	95	253	*950	*220	389	698	612	9.5	125	14	10
26	16	242	242	*900	*140	715	376	327	9.7	11	13	14
27	84	243	245	*700	*240	1,020	266	256	10	277	13	16
28	6.4	103	254	*460	388	994	230	218	9.7	480	14	151
29	5.7	251	261	*360	-	876	227	30	9.7	524	14	14
30	5.7	773	247	*300	-	588	134	114	9.7	373	*51	12
31	5.7	-	229	*260	-	428	-	41	-	198	*9.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,178.6	304	5.7	70.3	0.287	0.33
November	3,186.6	773	8.6	106	.433	.48
December	14,737	2,220	95	475	1.94	2.24
Calendar year 1934	80,966.0	2,220	.4	222	.906	12.27
January	17,150	1,020	244	553	2.26	2.61
February	7,238	550	50	258	1.05	1.09
March	12,473	1,020	47	402	1.64	1.89
April	13,235	760	134	441	1.80	2.01
May	6,287.4	863	7.6	203	.829	.96
June	995.5	124	4.2	33.2	.136	.15
July	10,356.5	1,480	9.5	334	1.36	1.57
August	1,077.6	151	7.8	34.8	.142	.16
September	7,305.5	1,530	8.9	244	.996	1.11
Water year 1934-35	96,220.7	2,220	4.2	264	1.08	14.60

*Estimated.

Contentnea Creek at Hookerton, N. C.

Location.- Water-stage recorder, lat. 35°25'40", long. 77°35'5", at Hookerton, Green County, about 300 feet below highway bridge and 2½ miles above Wheat Swamp Creek. Prior to Nov. 25, 1934, staff gage at same site and datum.

Drainage area.- 691 square miles.

Records available.- November 1928 to September 1935.

Extremes.- Maximum discharge during year, 2,980 second-feet Sept. 13 (gage height, 12.80 feet); minimum, 105 second-feet Nov. 2, 3 (gage height, 2.52 feet).
1928-35: Maximum discharge, 11,100 second-feet Oct. 6, 1929 (gage height, 18.9 feet); minimum, 13 second-feet Sept. 16, 17, 1932 (gage height, 1.17 feet).
Maximum known stage, 23.3 feet September 1928.

Remarks.- Records poor. Estimates based on fragmentary gage-height record and knowledge of stream characteristics.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	570	120	931	847	1,240	533	1,680	847	533	296	1,240	608
2	745	110	1,140	931	1,060	608	1,680	765	461	327	1,160	608
3	725	115	1,330	1,100	931	*725	1,600	685	392	392	973	533
4	533	130	1,560	1,240	805	*785	1,500	646	375	443	765	497
5	461	196	1,840	1,360	725	*785	1,430	570	359	443	646	479
6	*426	311	2,050	1,560	685	*745	1,330	515	327	427	570	785
7	392	311	2,230	1,680	646	*685	1,300	479	359	461	533	1,400
8	392	296	2,280	1,680	608	*627	1,240	426	570	461	497	1,800
9	359	266	2,140	1,640	570	570	1,240	426	765	533	533	2,230
10	296	237	1,800	1,530	551	*497	1,300	392	685	646	608	2,520
11	296	209	1,360	1,500	533	*461	1,330	359	570	931	608	2,790
12	251	196	1,100	1,530	515	*461	1,430	359	497	1,060	570	2,920
13	251	209	952	1,720	497	*479	1,560	343	426	910	533	2,980
14	223	209	689	1,880	497	*589	1,720	343	409	725	515	2,620
15	223	209	826	2,060	533	*805	1,500	343	392	889	461	2,230
16	209	237	765	2,050	646	973	1,270	327	392	1,400	443	1,720
17	183	251	725	1,920	725	1,060	1,060	343	375	2,000	392	973
18	171	223	685	1,720	805	1,060	931	343	375	2,370	392	725
19	183	183	646	1,430	889	994	847	375	375	2,520	392	426
20	171	171	665	1,240	931	868	805	392	359	2,620	409	327
21	159	183	785	931	931	765	847	443	426	2,520	589	266
22	153	183	910	868	889	745	931	497	533	2,320	646	237
23	147	183	1,020	826	805	685	1,040	646	497	2,000	570	266
24	147	281	1,100	889	685	608	1,100	889	426	1,760	515	296
25	136	359	1,140	1,020	608	*608	1,140	1,120	375	1,460	479	296
26	147	461	1,140	1,140	533	*646	1,190	1,240	359	1,060	443	266
27	142	497	1,080	1,270	479	*745	1,240	1,240	327	889	409	237
28	159	515	973	1,400	497	*931	1,240	1,100	327	1,020	392	237
29	142	570	931	1,460	-	*1,140	1,100	931	327	1,190	375	237
30	125	685	889	1,460	-	1,360	952	725	311	1,270	392	343
31	136	-	868	1,360	-	1,560	-	608	-	1,270	515	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	8,653	745	125	279	0.404	0.47
November	8,106	685	110	270	.391	.44
December	36,750	2,280	646	1,185	1.71	1.97
Calendar year 1934	250,584	2,480	50	687	.994	13.28
January	43,232	2,050	826	1,395	2.02	2.33
February	18,819	1,240	479	708	1.02	1.06
March	24,103	1,560	461	778	1.13	1.30
April	37,533	1,720	805	1,251	1.81	2.02
May	18,717	1,240	327	604	.874	1.01
June	12,904	765	311	430	.622	.69
July	36,612	2,620	296	1,181	1.71	1.97
August	17,565	1,240	375	567	.821	.95
September	31,852	2,980	237	1,062	1.54	1.72
Water year 1934-35	295,846	2,980	110	811	1.17	15.93

*Estimated.

Haw River near Benaja, N. C.

Location.- Water-stage recorder, lat. 36°14'55", long. 79°33'45", at old High Rock mill site 500 feet above county road crossing, half a mile upstream from county line, and 6 miles east of Benaja, Rockingham County.

Drainage area.- 168 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 1,680 second-feet Dec. 2 (gage height, 7.82 feet); minimum, 16 second-feet Aug. 18 (gage height, 1.02 feet).
1928-35: Maximum discharge, 5,020 second-feet Oct. 3, 1929 (gage height, 13.54 feet); minimum, 6.3 second-feet Sept. 1, 1932 (gage height, 0.73 foot).

Remarks.- Records good. Occasional slight diurnal fluctuation from operation of gristmills.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	20	3.6	452
1.4	43	4.0	553
1.6	64	4.5	685
1.8	91	5.0	820
2.0	122	5.5	960
2.3	175	6.0	1,110
2.6	232	6.5	1,260
3.0	314	7.0	1,420
3.3	381	7.5	1,580

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	262	62	1,060	236	124	150	896	152	81	36	52	26
2	236	63	1,440	314	122	137	1,050	144	74	35	44	22
3	190	63	848	314	127	129	1,020	127	67	36	43	29
4	162	76	605	293	130	122	733	120	91	31	36	27
5	130	91	440	246	125	122	452	116	106	99	35	127
6	125	87	314	204	124	129	358	112	98	139	35	303
7	148	77	252	166	119	157	314	130	80	55	33	529
8	139	69	186	148	111	175	358	152	73	42	36	314
9	119	64	141	230	112	186	392	136	64	42	43	228
10	92	69	122	358	139	175	347	119	60	92	42	173
11	90	69	111	347	157	150	293	129	63	88	34	155
12	90	64	94	336	161	185	272	124	58	69	30	102
13	85	63	92	262	153	524	248	127	74	171	30	74
14	76	64	96	196	211	820	219	150	88	222	28	61
15	68	65	91	157	314	766	194	168	103	141	23	53
16	65	63	91	137	392	490	173	184	124	102	22	49
17	64	58	94	132	428	381	157	228	124	64	21	48
18	63	62	98	129	370	304	146	234	88	193	20	45
19	62	63	138	124	314	226	141	175	78	237	21	43
20	64	64	177	139	272	186	139	129	68	226	46	43
21	67	65	194	166	213	175	387	207	55	152	39	43
22	61	67	186	179	159	173	592	234	57	91	38	37
23	62	84	157	298	141	157	579	221	63	77	34	34
24	61	155	132	440	139	161	490	194	53	63	36	36
25	60	155	119	404	137	194	392	173	51	53	28	35
26	61	125	114	358	132	428	336	157	43	95	23	34
27	62	97	120	282	150	592	250	134	44	164	21	30
28	57	94	120	217	157	553	177	111	39	215	20	44
29	51	226	116	194	-	514	152	97	37	124	28	51
30	55	272	112	153	-	392	152	88	37	76	26	37
31	61	-	111	139	-	464	-	88	-	61	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,988	262	51	96.4	0.574	0.66
November	2,696	272	58	89.9	.535	.60
December	7,971	1,440	91	257	1.53	1.76
Calendar year 1934	67,581	1,540	27	185	1.10	14.97
January	7,298	440	124	235	1.40	1.61
February	5,233	428	111	187	1.11	1.16
March	9,317	820	122	301	1.79	2.06
April	11,409	1,050	139	380	2.26	2.52
May	4,660	234	88	150	.893	1.03
June	2,141	124	37	71.4	.425	.47
July	3,291	237	31	106	.631	.73
August	995	52	20	32.1	.191	.22
September	2,832	529	22	94.4	.562	.63
Water year 1934-35	60,831	1,440	20	167	.994	13.45

Haw River at Haw River, N. C.

Location.- Water-stage recorder, lat. 36°5'35", long. 79°21'40", 400 feet below Southern Railway bridge at Haw River, Alamance County.

Drainage area.- 592 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during water year 1933-34, 15,800 second-feet Apr. 9 (gage height, 23.01 feet); minimum, 6 second-feet Oct. 30 (gage height, 1.02 feet); minimum mean daily discharge, 10 second-feet Oct. 29.

Maximum discharge during water year 1934-35, 9,820 second-feet Apr. 1 (gage height, 17.48 feet); minimum, 47 second-feet Sept. 27 (gage height, 1.49 feet); minimum mean daily discharge, 58 second-feet Aug. 14.

1928-35: Maximum discharge, 17,000 second-feet Feb. 28, 1929 (gage height, 23.96 feet); minimum, 3 second-feet Sept. 5, 1930; minimum mean daily discharge, 5 second-feet Sept. 6, 1930.

Remarks.- Records good except those estimated on basis of fragmentary gage-height record and comparison with records of other streams in the vicinity, which are fair. Diurnal fluctuation from power operations upstream.

Rating tables, water year 1933-34, 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1, 1933, to Mar. 27, 1934

1.0	5	3.5	588	1.4	35	4.0	688	12.0	5,170
1.2	18	4.0	772	1.6	63	4.5	864	14.0	6,770
1.4	45	4.5	972	1.8	95	5.0	1,053	16.0	8,470
1.6	80	5.0	1,186	2.0	132	6.0	1,470	18.0	10,300
1.8	119	6.0	1,656	2.3	198	7.0	1,952	20.0	12,390
2.0	160	7.0	2,146	2.6	271	8.0	2,482	22.0	14,600
2.5	280	8.0	2,656	3.0	377	9.0	3,070	24.0	17,000
3.0	425	10.0	3,772	3.5	525	10.0	3,720		

Table for Mar. 28, 1934, to Sept. 30, 1935

Discharge, in second-feet, water year October 1933 to September 1934

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	75	48	169	144	1,520	1,420	198	1,270	363	572	149
2	97	32	23	276	339	1,140	1,010	180	1,360	558	479	128
3	36	84	26	273	332	2,210	774	151	1,710	241	391	117
4	80	34	86	186	239	4,740	638	146	1,250	162	281	147
5	101	22	93	194	220	3,310	588	140	2,570	198	215	122
6	107	83	99	230	183	2,570	*540	164	2,470	155	140	254
7	55	90	103	259	196	1,620	*494	172	3,170	146	176	1,580
8	36	91	123	279	196	1,040	†525	135	1,560	135	449	2,600
9	85	77	134	333	162	772	9,670	122	1,560	690	372	716
10	97	72	113	269	127	623	6,770	138	1,170	2,840	238	510
11	90	24	133	194	90	571	3,070	127	881	1,850	165	449
12	34	12	105	156	149	456	*1,940	72	576	1,160	122	449
13	69	83	100	154	146	335	*1,170	69	530	591	122	1,090
14	28	88	87	200	158	285	†740	131	388	391	111	1,170
15	11	93	84	268	146	262	†588	410	354	317	99	1,090
16	55	101	55	184	131	259	*1,210	2,290	312	294	106	4,860
17	32	95	75	153	97	219	*1,300	1,560	291	236	124	2,170
18	68	38	129	137	117	242	*864	1,110	288	140	102	1,430
19	38	25	111	132	137	272	*740	671	263	184	87	1,260
20	86	88	112	74	236	459	*588	479	206	249	95	845
21	42	90	234	113	234	944	*525	355	174	234	104	572
22	19	93	249	151	171	696	†449	273	144	173	123	405
23	70	94	203	134	154	659	*405	606	243	134	108	325
24	40	91	145	120	144	554	*369	364	484	128	107	271
25	75	38	121	134	276	776	*309	980	248	115	43	296
26	32	32	147	125	3,340	952	*258	630	216	182	174	258
27	79	118	126	59	3,530	927	*217	405	152	894	494	189
28	47	108	162	53	2,040	4,830	210	349	131	366	449	174
29	10	110	137	153	-	2,110	222	440	136	1,620	366	298
30	62	112	133	168	-	1,150	215	2,460	58	2,730	271	540
31	38	-	154	132	-	1,660	-	2,840	-	858	191	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,741	107	10	56.2	0.095	0.11
November	2,193	118	12	73.1	.123	.14
December	3,650	249	23	118	.199	.23
Calendar year 1933	125,552	3,200	10	344	.581	7.90
January	5,462	333	53	176	.297	.34
February	13,434	3,530	90	480	.811	.84
March	38,163	4,830	219	1,231	2.08	2.40
April	37,818	9,670	210	1,261	2.13	2.38
May	18,167	2,840	69	586	.990	1.14
June	24,165	3,170	58	806	1.36	1.52
July	18,334	2,840	115	591	.998	1.15
August	6,876	572	43	222	.375	.43
September	24,464	4,860	117	815	1.38	1.54
Water year 1933-34	194,467	9,670	10	533	.900	12.22

*From staff-gage readings. †Estimated.

Note.- Records for water year 1933-34 supersede those published in Water-Supply Paper 757.

Haw River at Haw River, N. C.

(Continued)

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	508	126	7,530	2,380	263	405	8,330	424	270	140	118	95
2	540	127	4,620	1,540	258	415	4,070	358	243	132	127	60
3	453	114	1,980	1,010	339	344	2,710	337	233	118	102	117
4	349	215	1,290	810	401	298	1,640	306	292	68	93	111
5	286	284	882	604	322	276	1,070	282	386	94	128	447
6	280	250	663	510	258	327	846	302	347	642	120	273
7	391	205	526	479	240	1,180	1,000	355	230	204	96	1,460
8	346	160	390	434	*220	686	3,130	494	205	157	153	750
9	311	149	308	958	*260	518	1,880	394	200	143	138	523
10	291	120	318	1,160	*240	459	1,030	480	250	168	109	456
11	212	169	308	882	*600	490	876	630	213	215	94	355
12	198	177	279	621	*500	1,120	793	530	185	207	135	246
13	185	218	250	540	*460	6,200	824	1,150	497	172	106	200
14	174	252	188	510	*1,500	2,830	597	1,100	291	619	58	146
15	239	221	189	391	*1,200	1,730	495	1,540	277	522	82	116
16	240	170	214	309	*1,000	1,120	432	851	337	376	88	146
17	229	96	224	296	*1,400	829	389	777	433	218	82	136
18	191	118	208	286	*1,300	661	365	659	270	447	66	98
19	112	140	833	276	*900	561	352	513	244	614	112	124
20	126	133	1,160	405	*750	562	404	502	226	447	125	108
21	129	120	588	604	*650	544	4,990	2,030	152	286	96	120
22	179	131	494	494	*550	483	4,190	1,250	165	246	113	98
23	145	166	420	1,530	*450	400	2,060	842	148	282	111	138
24	117	326	325	1,380	*400	502	1,430	656	174	191	98	122
25	128	388	333	874	*350	649	955	716	155	154	79	102
26	99	305	391	735	298	3,220	755	592	143	164	126	99
27	132	208	352	637	446	1,950	615	489	120	392	101	61
28	160	175	294	487	401	1,520	527	416	103	349	62	90
29	172	1,580	266	412	-	1,320	522	302	109	270	60	85
30	138	1,520	268	331	-	927	518	250	102	182	79	146
31	113	-	298	288	-	2,040	-	269	-	144	110	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,173	540	99	231	0.390	0.45
November	8,363	1,580	96	279	.471	.53
December	26,389	7,530	188	851	1.44	1.66
Calendar year 1934	228,808	9,670	43	627	1.06	14.38
January	22,173	2,380	276	715	1.21	1.40
February	15,956	1,500	220	570	.963	1.00
March	34,566	6,200	276	1,115	1.88	2.17
April	47,795	8,330	352	1,593	2.69	3.00
May	19,796	2,030	250	639	1.08	1.25
June	7,000	497	102	233	.394	.44
July	8,363	642	68	270	.456	.53
August	3,167	153	58	102	.172	.20
September	7,024	1,460	60	234	.395	.44
Water year 1934-35	207,765	8,330	58	569	.961	13.07

*Estimated.

Haw River near Pittsboro, N. C.

Location.- Water-stage recorder, lat. 35°41', long. 79°5'40", about 100 feet about Robinsons Creek, 2 miles below highway bridge on State Highway 90, and 5 miles east of Pittsboro, Chatham County. Zero of gage is 180.06 feet above mean sea level.

Drainage area.- 1,340 square miles.

Records available.- November 1928 to September 1935.

Extremes.- Maximum discharge during year, 23,300 second-feet Dec. 1 (gage height, 16.21 feet); minimum, 22 second-feet Aug. 28 (gage height, 1.49 feet); minimum mean daily discharge, 49 second-feet Sept. 2.

1928-35: Maximum discharge, 47,300 second-feet Oct. 2, 1929 (gage height, 22.1 feet); minimum, 9 second-feet Oct. 13, 1930 (gage height, 1.32 feet); minimum mean daily discharge, 18 second-feet Sept. 30, Nov. 13, 1933.

Flood of August 1908 reached a stage of about 32.1 feet (estimated discharge, 98,000 second-feet).

Remarks.- Records good except those estimated by comparison with records at Haw River and other streams in the basin, which are poor. Large diurnal fluctuation from power operations.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.4	19	2.6	270	4.5	1,810	9.0	7,600
1.6	28	2.8	390	5.0	2,300	10.0	9,320
1.8	49	3.0	530	5.5	2,810	11.0	11,180
2.0	79	3.3	770	6.0	3,360	12.0	13,110
2.2	120	3.6	1,010	7.0	4,600	14.0	17,220
2.4	184	4.0	1,360	8.0	6,010	16.0	22,700
						18.0	29,700

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*1,200	235	16,200	8,080	762	1,050	11,200	1,050	626	157	294	101
2	*1,100	279	13,400	5,460	706	962	11,200	866	530	124	257	49
3	*1,000	223	4,610	2,700	666	930	4,930	762	495	178	125	104
4	*900	247	2,700	2,000	866	826	3,360	722	578	141	77	97
5	*700	301	2,050	1,540	866	754	2,400	634	698	104	234	99
6	*650	642	1,540	1,270	738	778	1,900	602	706	177	136	12,700
7	*650	440	1,270	1,140	690	1,950	2,700	682	618	340	135	3,840
8	*900	430	1,050	1,050	578	2,240	6,840	882	481	417	166	1,810
9	*750	310	866	1,520	618	1,450	6,660	914	308	367	369	1,050
10	*700	229	746	4,040	570	1,090	3,250	722	344	401	328	850
11	*500	210	770	2,300	1,090	1,090	2,350	1,360	451	239	83	770
12	*480	299	730	1,680	954	1,990	1,900	1,140	422	246	219	690
13	*440	438	642	1,320	850	12,700	1,900	2,390	311	753	137	509
14	*400	303	610	1,220	2,580	6,320	1,680	2,480	655	1,070	152	255
15	*380	425	530	1,050	4,080	3,360	1,360	3,470	530	1,880	129	261
16	*550	403	358	874	2,820	2,500	1,180	2,050	344	866	135	275
17	*550	300	481	810	3,590	1,860	1,010	1,630	474	802	83	263
18	*460	200	594	794	3,300	1,580	946	1,450	698	906	56	241
19	*300	238	939	730	2,100	1,320	906	1,140	516	1,490	88	197
20	*260	298	4,570	762	1,630	1,320	866	970	350	1,140	97	184
21	*260	304	2,140	1,220	1,320	1,360	3,950	5,610	368	730	90	135
22	*260	244	1,360	1,270	1,180	1,270	12,500	4,840	310	502	185	105
23	*360	260	1,140	2,930	1,010	1,140	4,430	2,200	192	445	155	100
24	*300	231	962	4,380	906	1,400	2,920	1,720	220	393	173	213
25	*280	397	810	2,250	834	1,760	2,150	1,760	177	400	115	178
26	*240	586	826	1,680	1,260	8,350	1,680	1,540	242	335	81	86
27	203	570	1,050	1,500	2,120	5,220	1,400	1,180	255	366	115	196
28	173	439	890	1,320	1,400	3,140	1,220	978	226	778	57	164
29	283	4,830	754	1,050	-	2,700	1,090	810	143	586	152	135
30	301	5,960	698	938	-	2,100	1,090	642	187	538	143	189
31	274	-	714	842	-	3,040	-	586	-	368	94	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	15,804	1,200	173	510	0.381	0.44
November	20,271	5,960	200	676	.504	.56
December	66,000	16,200	358	2,129	1.59	1.83
Calendar year 1934	496,077	25,000	38	1,359	1.01	13.76
January	59,720	8,080	730	1,926	1.44	1.66
February	40,084	4,080	570	1,432	1.07	1.11
March	77,550	12,700	754	2,502	1.87	2.16
April	100,968	12,500	866	3,366	2.51	2.80
May	47,782	5,610	586	1,541	1.15	1.33
June	12,455	706	143	415	.310	.35
July	17,239	1,880	124	556	.415	.48
August	4,660	369	56	150	.112	.13
September	25,846	12,700	49	862	.643	.72
Water year 1934-35	488,379	16,200	49	1,338	.999	13.57

*Estimated.

Cape Fear River at Lillington, N. C.

Location.- Water-stage recorder, lat. 35°24'25", long. 78°48'45", at highway bridge just below Norfolk Southern Railway bridge at Lillington, Harnett County, and 1 mile below Neill Creek. Zero of gage is 105.71 feet above mean sea level.

Drainage area.- 3,530 square miles.

Records available.- December 1923 to September 1935.

Average discharge.- 11 years (1924-35), 3,112 second feet.

Extremes.- Maximum discharge during year, 41,000 second-feet Dec. 2 (gage height, 16.55 feet); minimum, 67 second-feet Aug. 14 (gage height, 0.39 foot); minimum mean daily discharge, 68 second-feet Aug. 14.
1923-35: Maximum discharge, 101,111 second-feet Oct. 2, 1929 (gage height, 27.55 feet); minimum, 8 second-feet Oct. 8, 1926 (gage height, 0.01 foot); minimum mean daily discharge, 8 second-feet Oct. 8, 1926.

Remarks.- Records good except those estimated on basis of comparison with other discharge records in the vicinity and Buckhorn power-plant records, which are poor. Large diurnal fluctuation caused by operation of Buckhorn power plant, 14 miles above.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Apr. 22				Table for Apr. 23 to Sept. 30			
1.0	210	4.0	3,350	0.4	68	3.0	1,850
1.3	350	6.0	6,520	.6	96	4.0	3,170
1.6	540	8.0	10,900	.8	142	5.0	4,650
2.0	860	10.0	16,300	1.0	210	6.0	6,440
2.5	1,370	12.0	22,600	1.3	350	8.0	10,900
3.0	1,970	14.0	30,000	1.6	530	10.0	16,300
				2.0	820	12.0	22,600
				2.5	1,280	14.0	30,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,280	864	29,500	14,400	1,840	5,870	15,000	2,220	1,160	72	293	*300
2	2,090	688	37,300	21,900	1,720	4,100	22,400	2,030	1,090	173	*450	*220
3	1,660	672	21,800	11,900	1,720	3,130	12,600	1,790	914	372	*650	*300
4	1,490	382	8,520	6,770	1,720	2,640	7,800	1,670	1,280	350	*420	*240
5	1,350	496	5,120	5,030	1,950	2,500	5,670	1,610	1,050	188	*300	*400
6	1,260	1,260	3,660	3,580	1,810	2,230	4,400	1,560	1,910	*150	*300	*30,100
7	1,270	1,250	2,920	2,990	1,720	2,620	6,660	1,030	1,410	*300	*200	*12,500
8	2,720	1,070	2,570	2,780	1,660	5,350	13,900	1,560	1,270	*500	*100	*9,000
9	2,290	774	2,430	3,490	1,280	3,950	20,500	1,560	1,010	*650	*300	*5,000
10	1,530	613	1,810	10,500	1,320	2,990	11,400	1,490	841	*700	*500	*3,500
11	1,340	666	1,750	7,880	1,780	2,500	7,240	1,620	773	*850	332	*3,400
12	1,260	592	1,940	5,000	2,030	2,940	5,670	2,070	766	*1,200	492	*4,000
13	887	715	1,470	3,580	2,430	21,600	4,550	2,800	730	*1,800	83	*3,000
14	904	859	1,700	3,060	5,580	23,200	4,100	3,900	748	2,350	68	*2,000
15	982	696	1,300	2,850	14,300	11,900	3,420	4,370	746	3,600	*280	1,230
16	831	910	1,040	2,570	10,500	6,630	2,990	3,750	912	*3,800	*200	1,080
17	752	778	1,110	2,430	7,120	4,710	2,710	2,820	742	*2,600	*90	802
18	768	440	1,420	1,900	7,890	3,650	2,430	2,540	609	*2,000	*80	750
19	750	534	1,860	2,040	5,520	3,200	2,300	2,060	644	*2,800	*310	508
20	582	570	10,500	1,970	4,100	2,990	2,230	1,830	1,150	*2,000	*260	459
21	648	562	7,320	2,100	3,280	3,130	4,270	9,180	614	*1,400	*100	486
22	530	576	4,550	2,570	2,850	3,280	23,600	13,900	526	*1,100	*200	462
23	500	562	3,580	4,240	2,570	2,990	14,900	6,620	675	*950	*330	414
24	366	776	2,850	11,500	2,430	3,780	7,170	3,890	518	*800	*310	404
25	588	628	2,500	7,050	1,840	4,300	5,000	3,310	406	*650	*400	412
26	433	874	2,100	4,870	2,160	16,000	4,330	3,030	470	*500	*240	442
27	394	1,010	2,570	3,800	16,300	22,500	2,960	2,480	516	*700	*360	*440
28	278	1,010	2,780	3,130	13,400	13,100	2,540	2,090	389	*1,500	*260	*600
29	253	12,700	2,640	2,710	-	8,310	2,280	1,910	293	*1,000	*380	*700
30	545	27,400	2,430	2,430	-	6,100	2,280	1,790	213	*1,200	*500	*500
31	360	-	1,760	2,300	-	6,310	-	1,210	-	*600	*440	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	32,891	3,280	253	1,061	0.300	0.35
November	60,967	27,400	382	2,032	.576	.64
December	174,800	37,300	1,040	5,639	1.60	1.84
Calendar year 1934	1,137,445	37,300	90	3,116	.883	11.99
January	163,320	21,900	1,900	5,268	1.49	1.72
February	122,820	16,300	1,280	4,386	1.24	1.29
March	208,500	23,200	2,230	6,726	1.91	2.20
April	226,600	23,600	2,230	7,553	2.14	2.39
May	93,690	13,900	1,030	3,022	.856	.99
June	24,275	1,910	213	809	.229	.26
July	36,762	3,800	78	1,186	.336	.39
August	9,433	650	68	304	.086	.10
September	90,749	30,100	220	3,025	.857	.96
Water year 1934-35	1,244,807	37,300	68	3,410	.966	13.13

*Estimated.

Cape Fear River at Fayetteville, N. C.

Location.- Water-stage recorder, lat. 35°2'50", long. 78°51'35", at highway bridge just below Cross Creek at Fayetteville, Cumberland County. Zero of gage is 20.23 feet above mean sea level.

Drainage area.- 4,290 square miles.

Records available.- January 1889 to May 1903; September 1928 to September 1935.

Average discharge.- 20 years (1889-1902, 1928-35), 4,670 second-feet.

Extremes.- Maximum discharge during year, 39,700 second-feet Dec. 2 (gage height, 38.2 feet); maximum gage height, 38.9 feet Dec. 2; minimum discharge not determined; minimum gage height, 1.00 foot July 3; minimum mean daily discharge (estimated), 200 second-feet Aug. 19.

1889-1903, 1928-35: Maximum discharge, 110,000 second-feet Oct. 4, 1929 (gage height, 63.43 feet); minimum, 73 second-feet Oct. 6, 1930; minimum mean daily discharge, 110 second-feet Oct. 5, 1930.

Maximum discharge known (estimated), 133,000 second-feet Aug. 29, 1908 (gage height, about 68.0 feet).

Remarks.- Records good except those estimated on basis of comparison with records of this river at Lillington and Lower Little River at Linden, which are poor. Discharge for high stages determined by using rate of change of stage as a factor. Considerable diurnal fluctuation at low stages from operation of Buckhorn power plant. The addition of Lock 3 at Tolar's Landing, about 20 miles downstream, created about 10 feet of backwater at this gage, which became noticeable Aug. 10.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,180	580	29,100	8,800	3,400	11,000	14,200	3,160	1,820	342	960	*700
2	2,690	920	38,600	24,300	2,980	8,300	24,000	3,100	*1,520	306	580	*500
3	2,220	840	27,900	16,000	2,680	6,150	16,900	2,800	*1,220	280	492	*460
4	1,920	880	13,800	10,700	2,560	4,720	12,200	2,440	*1,120	413	720	*500
5	1,720	720	9,860	8,010	2,740	4,240	9,650	2,220	1,520	437	458	*500
6	1,620	800	6,740	5,960	2,920	3,820	7,700	2,120	1,620	410	352	12,300
7	1,420	1,420	4,560	4,680	2,680	3,470	6,600	2,020	2,270	437	284	27,900
8	1,720	1,470	3,450	4,380	2,560	5,500	14,000	1,620	2,020	510	236	17,000
9	2,680	1,220	3,040	3,960	2,440	5,820	23,900	1,870	1,520	668	358	7,750
10	2,220	980	2,740	9,340	2,120	4,520	16,600	1,920	1,220	820	*460	5,690
11	1,820	800	2,500	11,200	2,070	3,820	12,200	1,920	1,080	1,220	*700	5,960
12	1,620	840	2,380	8,120	2,440	3,540	9,950	1,920	960	1,320	*800	7,880
13	1,520	940	2,320	6,020	2,920	15,200	7,980	2,220	900	1,370	*500	7,640
14	1,000	1,000	2,120	4,500	5,250	27,100	6,820	4,400	820	2,220	*340	5,960
15	1,040	1,120	2,120	4,520	15,600	17,800	5,700	4,110	820	3,280	*240	4,400
16	1,120	940	1,820	4,100	16,000	11,000	4,900	5,220	800	4,520	*300	2,910
17	1,040	1,120	1,470	3,680	11,400	8,550	4,520	4,050	900	3,470	*260	2,420
18	940	880	1,770	3,400	12,200	6,200	3,960	3,680	840	2,680	*220	1,880
19	920	650	2,170	2,920	9,720	5,000	3,470	3,220	780	2,500	*200	1,720
20	860	740	8,290	2,920	7,320	4,590	3,160	2,680	940	2,860	*440	1,500
21	702	780	10,900	2,740	5,680	4,310	3,100	5,770	1,040	2,380	*360	1,400
22	720	760	7,190	3,220	4,700	4,380	18,100	17,100	800	1,870	*400	1,290
23	668	800	5,500	4,500	3,950	4,310	19,700	12,000	598	1,220	*500	1,230
24	632	880	4,150	12,000	3,540	3,960	11,900	8,300	615	*1,040	*600	1,170
25	562	1,000	3,500	10,800	3,220	4,380	8,910	5,800	580	*800	*650	1,170
26	668	900	3,160	7,810	2,980	11,800	6,250	4,600	492	*685	*500	1,140
27	580	1,220	3,220	6,020	11,800	26,600	4,610	3,700	492	2,320	*550	1,170
28	510	1,270	3,470	4,950	19,200	19,500	3,720	3,220	492	2,380	*460	1,170
29	440	5,880	3,680	4,450	-	13,800	3,340	2,740	419	1,520	*600	1,720
30	458	26,900	3,400	3,960	-	11,400	3,160	2,380	355	1,420	*800	1,800
31	620	-	3,040	3,540	-	8,950	-	2,220	-	1,170	*850	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	40,830	4,180	440	1,317	0.307	0.35
November	59,250	26,900	580	1,975	.460	.51
December	217,760	38,600	1,470	7,025	1.64	1.89
Calendar year 1934	1,321,343	38,600	422	3,620	.844	11.45
January	211,800	24,300	2,740	6,832	1.59	1.83
February	167,070	19,200	2,070	5,967	1.39	1.45
March	273,730	27,100	3,470	8,830	2.06	2.38
April	293,200	24,000	3,100	9,773	2.28	2.54
May	124,520	17,100	1,620	4,017	.936	1.08
June	30,573	2,270	355	1,019	.238	.27
July	46,868	4,520	280	1,512	.352	.41
August	15,170	960	200	489	.114	.13
September	128,830	27,900	460	4,294	1.00	1.12
Water year 1934-35	1,609,601	38,600	200	4,410	1.03	13.96

*Estimated.

Reedy Fork near Gibsonville, N. C.

Location.- Water-stage recorder, lat.36°10'30", long. 79°37', a quarter of a mile below Huffines Mill, 1¼ miles above Buffalo Creek, and 6 miles northwest of Gibsonville, Guilford County.

Drainage area.- 133 square miles.

Records available.- September 1928 to September 1935.

Extremes.- Maximum discharge during year, 1,460 second-feet Dec. 1 (gage height, 6.24 feet); minimum, about 6 second-feet sometime during period Aug. 4 to Sept. 7 (gage height, 0.40 foot); minimum mean daily discharge (estimated), 12 second-feet Aug. 18, 28.

1928-35: Maximum discharge, 4,090 second-feet Oct. 3, 1929 (gage height, 12.65 feet); minimum, 0.8 second-foot Aug. 27, 1932 (gage height, 0.35 foot); minimum mean daily discharge, 1.8 second-feet Aug. 24, 1930.

Remarks.- Records good except those below 100 second-feet, which are fair, and those estimated on basis of fragmentary gage-height record and comparison with other streams in the vicinity, which are poor. Considerable diurnal fluctuation from power operations upstream. Flow slightly regulated by storage for Greensboro water supply 14 miles upstream where an average daily discharge of 8.1 second-feet was diverted during the year.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Nov. 30

1.0	21	1.8	103
1.2	32	2.0	140
1.4	50	2.5	257
1.6	73	3.0	390

Table for Dec. 1 to Sept. 30

0.4	6	1.3	48	3.0	390	5.0	1,010
.6	11	1.6	78	3.5	530	5.5	1,190
.8	18	2.0	142	4.0	680	6.0	1,380
1.0	28	2.5	257	4.5	840	6.5	1,570

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	166	24	1,270	268	53	*100	1,090	70	48	36	*24	*18
2	257	35	720	210	74	*80	1,100	57	40	39	*22	*18
3	193	34	560	248	202	*70	892	55	62	28	*18	*20
4	155	44	404	272	177	*65	455	52	127	24	*17	*26
5	70	53	270	222	81	*60	287	49	68	39	*30	*100
6	60	44	217	205	56	*60	232	49	46	80	*20	*500
7	66	37	166	200	52	*240	250	100	43	22	*17	*200
8	64	30	84	187	52	*160	358	186	38	22	*30	*150
9	122	30	74	224	51	*120	314	84	58	23	*40	*100
10	69	31	142	221	70	*100	254	187	109	35	*34	*90
11	44	34	106	162	73	*90	224	152	48	31	*40	*80
12	39	92	131	114	82	*240	230	200	41	20	*28	*60
13	34	155	81	186	185	*600	191	264	138	31	*20	*50
14	70	113	59	196	264	*500	101	231	81	43	*18	*34
15	143	46	50	101	214	530	78	439	93	45	*16	*26
16	158	36	48	64	191	336	71	346	134	30	*14	*34
17	89	30	52	61	280	244	68	274	179	22	*13	*30
18	39	27	48	60	262	207	66	224	98	55	*12	*20
19	30	32	99	75	210	205	85	196	147	107	*15	*24
20	30	28	117	177	189	207	164	188	48	45	*36	*18
21	27	29	111	197	200	188	746	362	34	27	*26	19
22	30	29	161	103	181	*130	563	237	37	52	*30	17
23	35	54	100	196	89	*90	670	164	36	54	*26	21
24	31	123	78	193	65	*160	450	189	32	32	*20	22
25	26	114	158	164	60	*140	282	220	30	23	*16	17
26	28	60	186	217	58	*400	220	196	30	73	*14	18
27	32	41	99	214	*200	357	200	180	28	90	*13	18
28	25	42	60	184	*140	502	196	157	30	47	*12	17
29	28	201	53	138	-	354	191	68	24	28	*16	22
30	35	320	60	74	-	250	132	54	28	24	*22	18
31	30	-	89	58	-	498	-	55	-	19	*20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,225	257	25	71.8	0.540	0.62
November	1,968	320	24	65.6	.493	.55
December	5,853	1,270	48	189	1.42	1.64
Calendar year 1934	47,783.4	1,310	13.9	131	.985	13.02
January	5,191	272	58	167	1.26	1.45
February	3,811	280	51	136	1.02	1.06
March	7,283	600	60	235	1.77	2.04
April	10,160	1,100	66	339	2.55	2.84
May	5,285	439	49	170	1.28	1.48
June	1,956	179	24	65.2	.490	.55
July	1,246	107	19	40.2	.302	.35
August	679	40	12	21.9	.165	.19
September	1,787	500	17	59.6	.448	.50
Water year 1934-35	47,443	1,270	12	130	.977	13.27

*Estimated.

Horsepen Creek at Battle Ground, N. C.

Location.- Water-stage recorder, lat. 36°8'30", long. 79°51'20", at bridge on U. S. Highway 411 three-quarters of a mile northwest of Battle Ground, Guilford County, and about 2½ miles above junction with Reedy Fork.

Drainage area.- 15.9 square miles.

Records available.- November 1925 to July 1931; May 1934 to September 1935.

Extremes.- Maximum discharge during year, 520 second-feet Dec. 1 (gage height, 6.00 feet); minimum, 2.0 second-feet Aug. 27 (gage height, 0.28 foot).
1925-31, 1934-35: Maximum discharge observed, 750 second-feet Feb. 28, 1929 (gage height, 7.45 feet, former site and datum); minimum, 0.7 second-foot July 24, 1926.

Remarks.- Records good between 4 second-feet and 300 second-feet, others fair. Corrected for ice effect Jan. 28, 29, 31, Feb. 1, 2.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0	5.4	248	118	7.8	8.5	287	9.7	7.9	4.0	3.4	2.6
2	6.9	5.0	32	29	8.3	8.0	54	9.5	7.4	4.0	3.4	2.6
3	6.3	4.56	14.8	15.6	8.7	7.8	25	9.5	9.2	3.8	3.2	2.4
4	5.6	6.5	12.5	11.3	8.3	7.6	18	9.7	11	3.8	3.6	30
5	7.4	5.2	9.9	9.9	7.8	9.2	16	9.7	8.8	4.0	3.6	62
6	18.1	4.78	9.4	9.9	7.4	13.4	17	9.5	7.9	4.2	3.2	96
7	9.9	4.56	9.2	9.7	6.9	28	36	32	7.6	3.8	8.0	11
8	7.4	4.56	8.9	9.2	7.2	13.3	56	12	7.0	3.8	4.4	7.9
9	6.7	4.17	8.5	36	7.8	10.9	26	9.9	6.7	5.3	4.2	6.3
10	6.5	4.35	8.3	22	14.0	10.9	20	19	6.5	5.6	3.8	5.6
11	7.8	5.2	7.8	13.5	8.9	11.3	17	13	6.3	4.0	3.6	5.2
12	6.7	4.56	6.3	10.9	7.8	103	18	31	6.3	4.0	3.2	4.6
13	6.1	4.35	6.1	10.1	26	222	16	105	7.4	4.2	2.9	4.4
14	5.6	4.35	6.1	9.2	64	28	14	30	12	5.8	3.1	4.2
15	5.4	3.99	6.1	8.7	55	18.4	13	22	10	4.6	3.1	4.0
16	5.2	3.99	6.3	8.9	24	13.8	12	26	7.6	4.0	2.8	3.8
17	5.0	3.99	6.3	9.2	21	11.8	11	19	6.7	4.8	3.1	3.8
18	5.2	3.99	6.1	8.3	14.5	10.6	11	14	6.3	5.2	3.6	4.0
19	5.0	4.17	27	8.3	12.5	11.3	11	12	5.9	6.1	3.8	4.0
20	4.78	4.35	16.0	13.0	10.1	14.0	11	18	5.4	4.4	4.2	3.8
21	4.78	4.35	10.1	12.3	9.2	11.6	210	113	5.2	4.0	3.6	3.4
22	4.56	4.35	8.9	11.8	8.9	10.6	64	24	6.3	13	3.1	3.2
23	4.35	22	7.8	65	9.4	14.1	22	16	5.4	5.6	3.2	3.2
24	4.56	12.6	7.6	23	8.9	34	16	20	5.2	4.4	2.9	3.2
25	4.56	6.3	7.4	14.3	8.7	30	14	15	5.0	4.7	2.4	3.2
26	5.2	5.9	8.3	12.8	12.0	176	12	11	4.8	12	2.3	3.2
27	4.56	5.6	7.4	11.6	13.4	32	11	10	4.8	6.7	2.2	3.4
28	4.17	7.1	7.4	7.8	8.7	26	11	9.2	4.6	4.2	2.4	4.2
29	4.35	68	8.0	9.4	-	18.4	12	8.8	4.2	3.8	3.1	3.6
30	4.35	38	7.2	8.3	-	14.8	11	9.0	4.0	3.6	3.1	3.1
31	4.56	-	11.2	7.4	-	113	-	8.8	-	3.4	2.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	189.58	18.1	4.17	6.12	0.385	0.44
November	266.22	68	3.99	8.87	.558	.62
December	546.9	248	6.1	17.6	1.11	1.28
Calendar year						
January	554.4	118	7.4	17.9	1.13	1.30
February	407.2	64	6.9	14.5	.912	.95
March	1,042.3	222	7.6	33.6	2.11	2.43
April	1,072	287	11	35.7	2.25	2.51
May	665.3	113	8.8	21.5	1.35	1.56
June	203.4	12	4.0	6.78	.426	.48
July	154.8	13	3.4	4.99	.314	.36
August	105.1	8.0	2.2	3.39	.213	.25
September	301.9	96	2.4	10.1	.635	.71
Water year 1934-35	5,509.10	287	2.2	15.1	.950	12.89

Buffalo Creek near Greensboro, N. C.

Location.- Water-stage recorder, lat. 36°3'30", long. 79°43'35", at McConnell road crossing 3 miles east of Greensboro, Guilford County, and 6 miles above confluence with North Buffalo Creek.

Drainage area.- 32.8 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge during year, 990 second-feet Dec. 1 (gage height, 7.47 feet); minimum, 1.6 second-feet Aug. 17 (gage height, 1.48 feet).
1928-35: Maximum discharge, 1,870 second-feet Feb. 28, 1929 (gage height, 8.74 feet); minimum, 0.2 second-foot Oct. 2, 1930.

Remarks.- Records poor except those for Mar. 13 to June 28 and July 18 to Sept. 30, which are fair. Estimates based on fragmentary gage-height record, precipitation records, and comparison with records of other streams in the vicinity. Sewage from Greensboro enters just above station.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	14	799	*100	*17	17	270	20	13	*4	5.0	2.5
2	13	15	279	*460	*16	17	289	16	11	*4	4.7	2.5
3	8.8	13	76	*80	*15	16	84	16	13	*4	4.3	2.9
4	8.6	41	47	*30	*14	16	45	16	88	*4	6.4	11
5	8.4	42	34	*20	*14	16	36	14	54	*5	7.4	68
6	32	19	26	*20	*15	31	35	14	17	*9	4.0	518
7	53	14	23	*20	14	149	72	41	13	*11	6.2	106
8	16	13	20	*20	14	82	157	28	11	*8	11	17
9	10	12	*16	*100	16	29	169	16	10	*6	6.6	13
10	8.5	12	*14	*240	51	23	64	17	10	17	4.9	10
11	12	20	*13	*80	35	26	42	140	9.6	8.5	4.0	11
12	11	19	*13	*40	22	82	42	93	8.5	*15	3.6	8.5
13	8.6	15	*15	*25	34	705	49	287	8.8	*20	3.2	8.1
14	7.2	15	*15	*20	160	229	34	187	7.9	*25	2.8	6.8
15	6.2	14	*13	*20	225	68	29	42	12	*11	2.4	5.6
16	6.7	15	*12	*19	111	44	25	33	11	*8	2.2	5.2
17	6.2	15	*13	*20	98	36	22	43	8.5	*8	2.2	4.8
18	5.9	15	*14	*19	72	31	21	25	7.7	16	8.5	4.1
19	5.8	15	*60	*18	37	28	20	18	7.2	48	8.1	4.3
20	5.7	15	*110	*25	28	44	21	23	5.7	17	7.5	4.6
21	5.5	15	*30	*25	22	37	234	235	5.1	10	8.8	5.2
22	5.4	15	*20	*20	21	29	443	226	11	13	4.9	5.2
23	5.7	28	*18	*100	21	29	117	48	8.4	18	3.6	4.0
24	5.5	70	*16	*200	21	108	43	58	5.8	9.2	3.2	3.8
25	5.7	32	*15	*50	17	70	31	82	5.0	6.6	2.8	3.5
26	9.0	20	*18	*30	18	361	25	35	5.0	9.4	2.3	3.4
27	12	16	*16	*25	33	216	22	22	4.7	23	2.2	3.3
28	9.0	32	*15	*20	22	72	20	17	4.8	10	1.9	4.9
29	10	191	*15	*20	-	60	26	15	*4	7.9	2.3	5.2
30	11	274	*15	*20	-	39	31	14	*4	6.2	3.1	4.3
31	13	-	*19	*19	-	93	-	16	-	5.4	3.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	353.4	53	5.4	11.4	0.348	0.40
November	1,046	274	12	34.9	1.06	1.18
December	1,809	799	12	58.4	1.78	2.05
Calendar year 1934	16,786.2	799	2.6	46.0	1.40	19.04
January	1,905	460	18	61.5	1.87	2.16
February	1,183	225	14	42.2	1.29	1.34
March	2,803	705	16	90.4	2.76	3.18
April	2,518	443	20	83.9	2.56	2.86
May	1,857	287	14	59.9	1.83	2.11
June	384.7	88	4	12.8	.390	.44
July	367.2	48	4	11.8	.360	.42
August	143.4	11	1.9	4.63	.141	.16
September	856.7	518	2.5	28.6	.872	.97
Water year 1934-35	15,226.4	799	1.9	41.7	1.27	17.27

*Estimated.

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North Buffalo Creek near Greensboro, N. C.

Location.- Water-stage recorder, lat. 36°7'10", long. 79°42'35", at county highway bridge 3 miles above junction with Buffalo Creek and 6 miles northwest of Greensboro, Guilford County.

Drainage area.- 36.4 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge during year, 1,380 second-feet Dec. 1 (gage height, 9.90 feet); minimum, 5.4 second-feet Sept. 1 (gage height, 1.74 feet).
1928-35: Maximum discharge, 1,650 second-feet Oct. 17, 1932 (gage height, 10.98 feet); minimum, 1.6 second-feet Aug. 28, 1932.

Remarks.- Records good except those estimated on basis of fragmentary gage-height record and comparison with other records in the basin, which are fair. Diurnal fluctuation from operation of mills except at high stages. Sewage from Greensboro and Proximity Mills enters above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.7	4.2	2.4	49	3.6	238	6.0	802
1.8	7.2	2.6	73	4.0	333	7.0	955
1.9	12.0	2.8	99	4.5	465	8.0	1,080
2.0	17.6	3.0	128	5.0	590	9.0	1,220
2.2	31	3.3	178	5.5	704	10.0	1,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	18	*900	472	23	29	825	28	20	14	14	6.9
2	20	15	*300	93	21	28	150	25	16	15	13	9.6
3	18	13	*70	48	21	24	74	23	21	15	10	16
4	18	53	*50	34	23	25	53	22	55	12	11	46
5	19	18	*40	28	23	28	43	21	26	17	15	160
6	46	18	*35	25	25	40	44	22	25	25	8.2	546
7	30	16	*30	27	23	125	147	79	21	11	22	35
8	19	15	*26	28	24	45	294	31	18	11	33	18
9	18	14	*24	241	22	31	109	25	16	33	11	16
10	18	14	*22	86	55	28	67	43	18	21	9.1	18
11	22	18	*20	47	31	31	53	58	19	20	7.7	18
12	18	13	20	33	28	252	72	91	22	31	8.2	15
13	15	15	21	28	73	685	51	391	52	59	12	15
14	11	15	21	29	203	94	37	249	30	48	13	13
15	13	15	18	27	173	55	34	120	64	16	12	9.6
16	15	15	16	26	67	40	32	84	21	16	12	13
17	15	13	19	29	79	33	30	66	19	26	9.1	14
18	15	11	20	25	48	31	28	36	20	23	8.6	14
19	15	11	116	22	39	33	28	28	18	29	16	14
20	13	14	63	40	33	50	26	44	18	14	18	14
21	9.6	15	30	38	30	33	712	424	18	11	19	11
22	11	15	25	33	29	31	277	94	27	42	15	8.2
23	14	71	23	201	29	30	83	54	12	22	15	8.6
24	15	89	21	74	25	101	56	79	13	15	11	12
25	15	22	20	40	25	82	43	61	15	16	7.2	11
26	19	20	27	33	29	494	35	36	15	59	9.1	12
27	12	18	23	30	59	92	29	33	15	39	14	12
28	8.6	77	21	26	30	71	30	29	15	13	13	15
29	10	300	24	26	-	60	34	28	13	15	14	8.2
30	13	221	19	28	-	39	44	25	9.6	16	14	9.1
31	14	-	30	24	-	346	-	25	-	14	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	521.2	46	8.6	16.8	0.462	0.53
November	1,182	300	11	39.4	1.08	1.20
December	2,094	900	16	67.5	1.85	2.13
Calendar year 1934	17,899.1	900	6.4	49.0	1.35	18.30
January	1,941	472	22	62.6	1.72	1.98
February	1,290	203	21	46.1	1.27	1.32
March	3,084	685	24	99.5	2.73	3.15
April	3,540	825	26	118	3.24	3.62
May	2,372	424	21	76.5	2.10	2.42
June	671.6	64	9.6	22.4	.615	.69
July	718	59	11	23.2	.637	.73
August	404.2	33	7.2	13.0	.357	.41
September	1,118.2	546	6.9	37.3	1.02	1.14
Water year 1934-35	18,936.2	900	6.9	51.9	1.43	19.32

*Estimated.

West Fork of Deep River near High Point, N. C.

Location.- Water-stage recorder, lat. 36°10", long. 79°58'40", a quarter of a mile above State highway bridge at head of High Point Reservoir, about 2 miles (revised) northwest of Jamestown, and 3⅛ miles northeast of High Point, Guilford County.

Drainage area.- 33 square miles.

Records available.- June 1923 to September 1926, July 1928 to September 1935.

Extremes.- Maximum discharge during year, 986 second-feet Mar. 13 (gage height, 10.07 feet); minimum, 2.2 second-feet July 1 (gage height, 2.43 feet).
1923-26, 1928-35: Maximum discharge, 1,740 second-feet Oct. 17, 1932 (gage height, 12.46 feet); minimum, 0.3 second-foot Sept. 1, 1932.

Remarks.- Records good. Corrected for ice effect Jan. 28, 29, 31, Feb. 1, 2. Slight diurnal fluctuation from operation of gristmill 4 miles upstream.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19.0	9.9	363	273	12.8	16.8	514	18	12.5	5.1	6.2	4.4
2	14.8	8.85	61	63	13	16.5	98	17	11.6	4.4	6.3	4.6
3	12.8	8.35	30	35	15.5	15.5	48	16	114	5.1	6.8	4.1
4	11.3	11.9	26	26	15.1	15.1	36	16	28	4.4	5	41
5	12.2	9.6	20	21	14.2	21	30	15	16.2	5.5	5.5	37
6	23.0	8.6	17.9	21	13.8	28	34	19	13.2	5.3	5.4	37
7	17.6	8.35	16.2	20	13.2	62	74	77	11.9	5.3	4.4	20
8	12.5	8.1	15.1	19	13.5	27	93	22	11	5	11	10
9	11.0	7.85	14.2	78	14.8	21	50	18	10.5	6.4	6.6	9.1
10	11.3	8.35	13.8	40	31	20	34	159	9.9	62	6.1	9.1
11	14.2	10.5	12.5	27	18.2	22	30	76	9.9	41	4.6	8.1
12	11.0	8.6	11.9	22	15.5	333	32	30	8.8	23	5.5	7.4
13	9.6	8.85	12.2	20	79	411	28	49	9.8	131	4.3	6.9
14	9.35	8.35	11.6	18.2	165	61	24	24	9.4	97	3.9	6.4
15	9.1	7.85	11	16.5	119	37	22	23	11	11	3.2	6
16	8.85	8.1	11.9	16.8	51	29	20	31	9.9	9.1	3	5.5
17	9.6	8.1	12.5	17.2	46	26	19	25	8.7	10	4.1	5.3
18	9.1	8.1	11.6	15.1	30	22	18	19	9.1	19	6.6	5.5
19	9.1	8.1	51	14.2	25	24	19	16	7.1	16	6.6	5.7
20	8.6	8.1	28	20	21	31	19	40	6.9	9.1	13	5.3
21	8.85	8.1	18.6	20	18.6	23	389	167	7.1	7.4	7.4	5
22	8.6	8.1	17.6	19.3	17.9	21	115	38	8.1	45	5.3	5.3
23	8.1	15.7	15.5	80	19.7	23	42	26	7.1	14	5	5.5
24	6.85	12.5	14.8	34	16.8	36	32	43	6.4	8.8	4.8	4.4
25	8.1	9.1	14.5	23	16.5	68	37	32	6.4	7.4	3.7	4.4
26	10.8	8.6	18.2	21	22	290	25	22	6.2	45	4.1	4.3
27	7.85	8.35	15.5	20	28	60	22	18	6.4	26	4.1	5
28	6.85	23.0	14.2	15.1	17.2	57	24	16	5.7	9.9	3.9	6.9
29	7.6	128.0	17.2	16.6	-	36	23	14	4.8	8.1	5.3	9.4
30	7.85	62.0	14.8	15.8	-	29	24	16	5	6.9	5.3	4.8
31	8.35	-	44	13.8	-	183	-	17	-	6.6	4.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	333.80	23	6.85	10.8	0.327	0.38
November	457.95	128	7.85	15.3	.464	.52
December	956.3	363	11.0	30.8	.933	1.08
Calendar year 1934	11,595.05	696	4.4	31.8	.964	13.08
January	1,061.6	273	13.8	34.2	1.04	1.20
February	883.3	165	12.8	31.5	.955	.99
March	2,064.9	411	15.1	66.6	2.02	2.33
April	1,975	514	18	65.8	1.99	2.22
May	1,119	167	14	36.1	1.09	1.26
June	392.6	114	4.8	13.1	.397	.44
July	659.8	131	4.4	21.3	.645	.74
August	171.3	13	3.0	5.53	.188	.19
September	293.4	41	4.1	9.78	.296	.33
Water year 1934-35	10,368.95	514	3.0	28.4	.861	11.68

Deep River near Randleman, N. C.

Location.- Water-stage recorder, lat. 35°53'40", long. 79°50'40", 500 feet below county bridge at Coltrane's mill, half a mile south of Guilford County line, and 7 miles north of Randleman, Randolph County. Zero of gage is 638.11 feet above mean sea level.

Drainage area.- 124 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 3,730 second-feet Mar. 13 (gage height, 16.96 feet); minimum, 3.0 second-feet Oct. 20, 21 (gage height, 1.54 feet); minimum mean daily discharge, 4.0 second-feet Aug. 26.
1928-35: Maximum discharge, 8,470 second-feet (revised) Feb. 28, 1929 (gage height, 23.9 feet); revised maximum for Oct. 2, 1929, 5,720 second-feet; minimum, 0.5 second-foot Nov. 28, 1931 (gage height, 1.41 feet); minimum mean daily discharge, 1.2 second-feet Nov. 12, 1933.

Remarks.- Records good except those estimated on basis of comparison with other records in the basin, which are fair. Large diurnal fluctuations from operation of Coltrane's mill. Slight regulation by storage in High Point Reservoir.

Revisions.- Revised mean daily discharge for Feb. 28, 1929, 6,040 second-feet and for Oct. 2, 1929, 4,730 second-feet. Because of these revisions, previously published monthly and annual mean discharge has been revised as follows: February 1929, 463 second-feet, water year 1928-29, 144 second-feet; October 1929, 316 second-feet; water year 1929-30, 126 second-feet.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	96	14.2	2,080	1,190	44	50	1,380	85	38	*11	50	6.5
2	38	22	399	353	38	46	538	66	43	11	37	7.4
3	82	*10.0	182	186	55	58	238	52	156	9.1	53	8.2
4	44	*9.0	114	130	75	77	178	44	407	11	22	70
5	36	*30	110	71	59	68	123	53	102	21	24	252
6	80	22	72	91	36	147	130	75	62	22	17	411
7	57	19.1	51	99	54	372	226	181	50	9.0	18	96
8	54	19.4	56	86	42	192	463	123	47	24	14	64
9	49	13.1	57	294	44	104	263	64	36	11	41	58
10	80	17.0	76	235	95	91	182	170	48	100	6.2	38
11	55	13.8	55	138	99	130	141	460	52	514	20	50
12	73	25	46	110	67	858	124	112	41	74	13	44
13	30	16.4	42	95	174	2,230	133	286	50	293	13	24
14	12.7	14.9	36	119	628	357	111	140	76	994	11	9.5
15	20	14.4	27	79	563	191	112	102	84	152	10	13
16	16.4	*12.0	25	78	240	134	90	102	88	*63	15	22
17	15.0	*9.0	61	90	321	124	81	103	95	*84	8.4	13
18	15.5	*8.0	38	44	198	126	67	75	28	*76	19	15
19	12.8	*13.0	152	29	123	95	64	59	11.2	*68	14	25
20	17.2	17.8	180	42	103	149	68	126	8.6	31	25	20
21	15.0	31	90	52	94	126	1,340	786	16.7	15	30	21
22	68	13.3	76	73	71	107	724	234	9.3	78	11	7.2
23	26	40	69	251	60	98	236	136	26	131	27	81
24	46	41	61	199	72	181	169	137	15.8	95	6.6	66
25	26	49	58	91	88	226	155	185	11.8	88	5.3	52
26	46	58	70	86	75	1,190	123	108	14.6	33	4.0	23
27	32	24	68	80	114	340	71	115	10.8	37	4.8	14
28	6.4	44	58	83	78	229	89	60	11.3	16	6.0	6.3
29	18.8	588	63	64	-	189	125	67	*10	39	13	6.8
30	10.8	345	60	61	-	134	98	60	*15	20	28	13
31	20	-	61	60	-	435	-	45	-	19	9.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,198.6	96	6.4	38.7	0.312	0.36
November	1,553.4	588	8.0	51.8	.418	.47
December	4,613	2,080	25	149	1.20	1.38
Calendar year 1934	45,282.7	2,560	6.4	124	1.00	13.57
January	4,659	1,190	29	150	1.21	1.40
February	3,710	628	36	132	1.06	1.10
March	8,854	2,230	46	286	2.31	2.66
April	7,842	1,380	64	261	2.10	2.34
May	4,411	786	44	142	1.15	1.33
June	1,664.1	407	8.6	55.5	.448	.50
July	3,149.1	994	9.0	102	.823	.95
August	575.9	53	4.0	18.6	.150	.17
September	1,536.9	411	6.3	51.2	.413	.46
Water year 1934-35	43,767.0	2,230	4.0	120	.968	13.12

*Estimated on basis of hydrographic comparisons and range in stage indicated by water-stage recorder.

Deep River at Ramseur, N. C.

Location.- Water-stage recorder, lat. 35°44'10", long. 79°38'40", 2,000 feet below railroad station at Ramseur, Randolph County, and 1½ miles below mouth of Sandy Creek. Zero of gage is 419.50 feet above mean sea level.

Drainage area.- 343 square miles.

Records available.- November 1922 to September 1935.

Average discharge.- 12 years (1923-35), 340 second-feet.

Extremes.- Maximum discharge during year, 13,200 second-feet Dec. 1 (gage height, 18.74 feet); minimum, 7 second-feet Nov. 13 (gage height, 0.29 foot); minimum mean daily discharge, 10 second-feet Aug. 3.

1922-35: Maximum discharge (estimated), 21,100 second-feet Sept. 19, 1928 (gage height, 25.44 feet); minimum, 6 second-feet several times in October and November 1931; minimum mean daily discharge, 6 second-feet Oct. 20-22, 1931.

Remarks.- Records good. Large diurnal fluctuation from operation of power plants. Slightly regulated by storage in High Point Reservoir.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.3	7	1.6	247	5.0	2,130
.4	12	2.0	395	6.0	2,820
.6	30	2.5	630	7.0	3,530
.8	57	3.0	895	8.0	4,280
1.0	93	3.5	1,180	9.0	5,030
1.3	162	4.0	1,460	10.0	5,830

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	268	99	924	3,700	138	219	3,890	221	135	43	70	12
2	203	64	1,570	1,320	128	145	1,910	215	100	22	17	19
3	162	11	580	567	135	160	782	239	173	24	10	40
4	107	131	416	401	212	213	530	226	644	13	18	19
5	153	262	302	287	196	201	450	114	287	14	94	460
6	748	139	275	247	140	226	411	172	176	22	98	2,210
7	832	107	197	284	132	929	274	300	130	22	76	285
8	266	98	162	251	127	578	1,950	335	105	38	66	127
9	193	54	170	1,250	102	312	1,110	204	93	890	26	228
10	177	62	201	972	250	254	620	162	148	150	18	327
11	166	70	197	478	294	299	465	719	156	721	26	202
12	158	156	160	338	209	2,550	426	284	69	212	43	128
13	205	127	128	277	583	5,560	371	607	139	295	67	98
14	72	87	109	284	1,740	1,080	304	388	83	2,260	68	59
15	123	81	100	268	1,540	567	316	382	45	374	64	45
16	116	78	108	205	753	400	282	294	106	272	29	89
17	120	29	180	207	1,260	343	220	321	173	159	13	64
18	68	56	146	207	664	335	301	220	144	185	13	38
19	53	108	939	139	429	295	210	170	135	203	59	39
20	11	117	863	128	336	356	200	289	90	88	123	55
21	26	78	354	235	271	349	2,740	3,430	66	64	78	37
22	108	94	250	206	253	530	2,480	921	32	132	30	24
23	84	49	226	807	200	319	754	403	31	135	32	70
24	101	102	203	688	209	394	467	366	58	137	18	82
25	101	142	189	347	241	658	391	488	51	121	14	79
26	44	173	253	240	330	3,870	319	298	82	137	58	71
27	71	141	292	244	347	1,160	273	260	80	136	42	41
28	77	119	197	238	284	668	232	214	75	74	37	17
29	140	2,270	182	206	-	624	283	167	12	130	24	20
30	105	1,290	189	187	-	380	266	144	13	111	45	64
31	81	-	282	171	-	1,220	-	135	-	60	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,139	832	11	166	0.484	0.56
November	6,394	2,270	11	213	.621	.69
December	10,344	1,570	100	334	.974	1.12
Calendar year 1934	133,741	6,000	10	366	1.07	14.50
January	15,379	3,700	128	496	1.45	1.67
February	11,503	1,740	102	411	1.20	1.25
March	25,194	5,560	145	813	2.37	2.73
April	23,227	3,890	200	774	2.26	2.52
May	12,688	3,430	114	409	1.19	1.37
June	3,631	644	12	121	.353	.39
July	7,244	2,260	13	234	.682	.79
August	1,388	123	10	44.8	.131	.15
September	5,049	2,210	12	168	.490	.55
Water year 1934-35	127,180	5,560	10	348	1.01	13.79

Deep River at Moncure, N. C.

Location.- Water-stage recorder, lat. 35°36'25", long. 79°5'10", 1½ miles northwest of Moncure, Chatham County. Zero of gage is 185.88 feet above mean sea level.

Drainage area.- 1,340 square miles.

Records available.- May 1898 to December 1899, July 1930 to September 1935.

Extremes.- Maximum discharge during year, 20,900 second-feet Sept. 6 (gage height, 9.03 feet); minimum, 38 second-feet Sept. 5 (gage height, 0.75 foot); minimum mean daily discharge, 43 second-feet June 30.
1898-99, 1930-35: Maximum discharge, 24,600 second-feet Feb. 8, 1899; minimum, 13 second-feet Dec. 5, 1933 (gage height, 0.46 foot); minimum mean daily discharge, 13 second-feet Dec. 5, 1933.

Remarks.- Records good except those estimated, which are poor. Estimates based principally on comparison with records of Deep River at Ramseur, N. C., and Cape Fear River at Lillington, N. C. Diurnal fluctuation from operation of power plants upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.8	43	1.6	330	3.0	1,830	5.5	8,000
.9	58	1.8	475	3.5	2,640	6.0	9,670
1.0	77	2.0	640	4.0	3,690	6.5	11,400
1.2	131	2.3	940	4.5	4,950	7.0	13,220
1.4	213	2.6	1,290	5.0	6,400	8.0	17,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*1,000	235	15,500	8,650	703	2,110	5,500	918	422	44	172	62
2	*750	379	13,200	11,000	676	1,450	7,270	760	370	143	200	153
3	*600	400	10,100	4,620	580	1,180	4,300	658	182	94	164	101
4	*500	379	2,260	2,060	667	973	3,140	623	507	153	186	54
5	*460	386	1,450	1,510	640	973	1,660	531	843	77	75	174
6	*1,000	280	1,120	1,210	649	984	1,510	598	929	50	153	16,700
7	*1,500	547	951	1,060	614	1,520	3,700	491	613	46	119	12,200
8	*1,000	344	841	1,030	580	2,210	8,210	606	572	54	68	3,760
9	*900	213	703	2,000	555	1,550	8,900	703	358	82	52	984
10	*700	224	667	5,790	507	1,100	4,270	667	330	269	48	1,700
11	*550	229	658	3,450	598	929	2,380	667	280	554	48	3,720
12	*500	245	623	1,860	*780	2,370	1,840	730	245	908	107	2,130
13	*550	267	580	1,270	*1,800	11,400	1,690	995	213	863	142	1,760
14	*440	358	539	1,160	*5,000	11,100	1,480	885	349	798	73	1,030
15	*360	311	507	1,020	*7,500	3,810	1,320	1,020	240	2,470	50	760
16	*280	324	415	918	*5,500	1,840	1,160	863	200	1,100	46	365
17	*240	229	430	852	*3,600	1,430	1,040	780	107	658	50	311
18	*220	186	415	790	*3,800	1,270	929	800	240	841	60	280
19	*200	195	1,520	730	*2,400	1,130	874	640	245	555	66	251
20	*150	200	5,080	694	*1,500	1,120	907	640	262	491	153	262
21	*150	182	2,830	721	*1,200	1,380	2,800	3,650	245	393	142	245
22	*200	195	1,470	750	*1,000	1,390	8,990	5,730	213	379	82	190
23	*180	186	1,070	2,950	*850	1,320	5,990	2,430	200	262	73	110
24	*200	218	962	4,740	*750	1,360	2,270	1,210	177	229	89	240
25	*200	224	820	2,410	*700	1,390	1,520	973	190	94	54	218
26	*150	157	750	1,460	*1,710	10,600	1,240	951	200	286	125	190
27	182	337	1,160	1,180	11,900	12,500	1,050	852	77	273	229	224
28	153	245	1,250	1,030	6,560	5,800	907	667	50	273	168	452
29	82	9,960	951	918	-	3,140	841	580	44	235	153	286
30	157	13,600	852	830	-	2,210	863	539	43	168	267	240
31	177	-	852	760	-	3,510	-	460	-	77	122	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	13,731	1,500	82	443	0.331	0.38
November	31,235	13,600	157	1,041	.777	.87
December	70,526	15,500	415	2,275	1.70	1.96
Calendar year 1934	463,728	15,500	60	1,270	.948	12.88
January	69,423	11,000	694	2,239	1.67	1.92
February	63,319	11,900	507	2,261	1.69	1.76
March	95,049	12,500	929	3,066	2.29	2.64
April	88,581	8,990	841	2,953	2.20	2.46
May	32,617	5,730	460	1,052	.785	.90
June	8,946	929	43	298	.222	.25
July	12,919	2,470	44	417	.311	.36
August	3,536	267	46	114	.085	.10
September	49,152	16,700	54	1,638	1.22	1.36
Water year 1934-35	539,034	16,700	43	1,477	1.10	14.98

*Estimated.

East Fork of Deep River near High Point, N. C.

Location.- Water-stage recorder, lat. 36°2'15", long. 79°56'45", at highway bridge a quarter of a mile above High Point Reservoir and 6 miles northeast of High Point, Guilford County.

Drainage area.- 13.9 square miles.

Records available.- July 1928 to September 1935.

Extremes.- Maximum discharge during year, 1,100 second-feet May 10 (gage height, 4.20 feet); minimum, 2.5 second-feet Sept. 3 (gage height, 0.28 foot).
1928-35: Maximum discharge, about 1,660 second-feet June 8, 1934 (gage height, 7.5 feet); minimum, 1.3 second-feet Dec. 17, 1930 (gage height, 0.13 foot).

Remarks.- Records good except those between 4 and 400 second-feet, others poor. Gage height estimated June 5 from fragmentary gage-height record.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.7	4.8	151	94	7.3	8.3	180	8.6	7.2	4.3	4.7	3.1
2	6.3	4.3	18	21	7.8	8.0	33	8.3	7.0	4.3	4.5	3.1
3	5.8	4.3	12	15	8.6	7.7	20	8.0	19	4.2	4.2	2.9
4	5.3	5.6	11	11	7.7	7.1	17	8.3	10	4.2	4.5	57
5	6.0	4.6	8.9	9.5	7.4	10	15	8.0	7.2	4.5	4.0	71
6	12	4.3	8.0	9.8	7.1	33	18	9.8	7.0	4.5	3.8	21
7	7.4	4.3	7.4	9.5	6.8	27	46	45	6.5	4.2	4.3	8.3
8	5.8	4.3	6.8	9.2	7.1	13	53	9.7	6.3	4.2	6.7	5.8
9	5.6	4.1	6.6	57	7.7	10	23	8.6	6.1	5.0	4.0	4.9
10	6.0	4.6	6.6	18	15	10	17	129	5.9	13	3.6	5.2
11	6.6	4.8	5.8	12	8.9	11	15	21	5.7	5.3	3.8	4.7
12	5.3	4.3	5.6	9.2	8	188	16	29	5.7	4.7	3.3	4.4
13	5.0	4.1	5.8	8.6	45	85	14	52	5.9	19	3.1	4.2
14	5.0	3.9	5.3	7.4	88	24	12	15	8.0	9.9	3.1	4.0
15	4.8	3.9	5.0	6.8	38	16	11	14	7.4	4.8	3.1	3.8
16	4.8	3.9	5.3	7.1	20	13	9.7	19	6.9	4.1	3.1	3.6
17	4.6	3.9	5.3	7.1	20	12	9.2	14	5.7	4.5	4.2	3.6
18	4.6	3.9	5.0	6.3	13	9.8	8.9	10	5.4	8.2	4.2	3.8
19	4.6	4.1	30	6.0	11	12	9.2	8.9	5.2	5.9	4.0	3.8
20	4.3	3.9	12	10	9.8	13	9.2	48	5.0	4.5	4.6	4.2
21	4.3	3.9	8.3	10	8.9	11	203	87	4.8	4.2	3.6	4.2
22	4.3	3.9	8.0	11	8.6	10	38	18	5.7	12	3.3	7.4
23	4.3	12	6.8	55	8.9	23	19	14	4.8	5.0	3.3	4.0
24	4.3	6.3	6.3	15	8.0	28	15	24	4.8	4.3	2.9	3.6
25	4.3	5.3	6.0	11	7.7	88	14	16	4.8	4.2	2.9	3.6
26	5.0	5.3	7.7	10	14	128	12	11	4.7	28	2.9	3.6
27	4.1	5.3	6.3	9.5	12	26	10	9.4	4.5	7.7	2.9	4.5
28	4.1	32	6.3	7.5	8.3	28	12	8.3	4.5	5.4	3.1	5.5
29	4.1	70	7.1	7.8	-	18	11	8.0	4.5	5.0	3.4	5.3
30	4.3	36	6.3	7.4	-	15	10	9.4	4.3	4.8	3.4	4.0
31	4.3	-	41	7.0	-	163	-	8.3	-	4.8	2.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	164.9	12	4.1	5.32	0.383	0.44
November	265.9	70	3.9	8.86	.637	.71
December	431.5	151	5.0	13.9	1.00	1.15
Calendar year 1934	5,919.1	702	2.6	16.2	1.17	15.83
January	485.7	94	6.0	15.7	1.13	1.30
February	420.6	88	6.8	15.0	1.08	1.12
March	1,055.9	188	7.1	34.1	2.45	2.82
April	880.2	203	8.9	29.3	2.11	2.35
May	687.6	129	8.0	22.2	1.60	1.84
June	190.5	19	4.3	6.35	.457	.51
July	208.7	28	4.1	6.73	.484	.56
August	115.0	6.7	2.9	3.71	.267	.31
September	267.9	71	2.9	8.93	.642	.72
Water year 1934-35	5,174.4	203	2.9	14.2	1.02	13.83

Muddy Creek near Archdale, N. C.

Location.- Water-stage recorder, lat. 35°52'25", long. 79°52'25", 600 feet above county highway bridge, 2 miles east of Glenoia brick plant, 3 miles southwest of Coltrane's mill, and 7 miles southeast of Archdale, Randolph County.

Drainage area.- 14.2 square miles.

Records available.- May 1934 to September 1935.

Extremes.- Maximum discharge during year, 600 second-feet Dec. 1 (gage height, 6.54 feet); minimum, 0.05 second-foot Aug. 27, 28 (gage height, 0.12 foot).
1934-35: Maximum discharge observed, 637 second-feet June 7, 1934 (gage height, 9.50 feet, former site and datum); minimum, 0.05 second-foot Sept. 4, 1934, Aug. 27, 28, 1935 (gage height, 0.12 foot).
No flow at times during 1930.

Remarks.- Records good except those estimated on basis of fragmentary gage-height record and those corrected for ice effect, Jan. 28, 29, 31, Feb. 1, 2, which are fair, and those below 1 second-foot, which are poor.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to June 30

0.2	0.16	1.6	43
.3	.60	2.0	71
.4	1.42	2.5	115
.6	4.96	3.0	165
.8	10.1	4.0	276
1.0	16.0	5.0	400
1.3	27		

Table for July 1 to Sept. 30

0.1	0.03	.8	9.87
.2	.20	1.0	15.4
.3	.67	1.3	27
.4	1.47	1.6	43
.6	4.72	2.0	71

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.95	3.16	353	205	8.10	11.4	235	9.8	4.5	0.81	0.61	0.14
2	4.00	3.57	48	44	8.00	10.9	68	8.8	3.6	1.6	.56	.10
3	3.35	2.14	28	27	9.6	10.1	42	8.0	16	.51	.46	.10
4	2.78	18.0	23	20	9.10	9.6	32	7.0	25	.41	.46	2.6
5	2.96	6.95	16.7	*16.4	7.50	13.1	26	6.2	7.8	1.3	.41	12
6	50	5.95	14.4	*17.0	7.25	30	31	7.2	4.7	1.8	.36	17
7	22	4.24	12.8	*15.7	6.45	86	47	19	3.6	1.2	.31	2.5
8	9.3	3.57	11.7	15.4	6.70	48	119	9.1	3.0	.67	.82	*1.3
9	6.95	3.16	10.6	80	7.50	19.8	49	6.2	2.3	4.6	1.1	*1.3
10	6.95	3.16	9.85	24	22	18.1	32	13	2.0	4.4	.51	4.1
11	9.85	7.25	8.80	23	11.2	20	25	14	1.8	40	.41	3.0
12	6.2	4.48	7.75	16.7	8.80	189	30	9.6	2.1	2.8	.31	1.3
13	4.24	3.57	8.00	15.0	61	204	24	19	4.3	18	.27	1.0
14	3.57	3.35	7.50	14.1	105	47	19	13	1.8	50	.20	.73
15	3.16	2.96	6.70	12.0	70	30	17	16	1.6	5.0	.14	.61
16	2.96	2.78	6.95	12.0	43	24	14	15	1.6	2.4	.12	.51
17	2.78	2.78	6.95	12.5	42	21	13	13	1.3	2.3	.12	.46
18	2.60	2.78	6.45	10.9	33	17.0	12	7.5	1.1	4.3	.17	.41
19	2.60	2.78	55	9.85	24	20	15	5.7	.85	*10	.46	.46
20	2.45	2.60	25	14.4	19.2	35	17	28	.7	2.4	.61	.46
21	2.14	2.60	14.1	14.4	15.7	43	234	150	.6	1.6	.67	.46
22	2.00	2.78	13.1	12.8	15.0	76	76	28	1.3	*9.1	.36	.36
23	1.88	4.65	11.4	45	15.0	32	34	16	.85	*5.1	.27	.27
24	1.76	8.00	10.4	19.5	12.8	31	24	22	.75	*1.6	.23	.23
25	1.76	4.24	10.1	13.1	12.0	61	20	21	.65	*1.4	.17	.23
26	4.70	3.35	15.0	13.1	15.2	209	17	11	.6	*1.4	.08	.23
27	2.60	3.16	11.7	12.5	22	50	14	8.8	.49	2.6	.06	.27
28	1.64	12.0	9.85	9.55	12.3	50	14	7.2	.43	1.2	.07	.51
29	1.52	111	12.0	9.60	-	32	15	6.0	.38	.94	.10	.46
30	1.64	58	10.4	9.60	-	24	13	5.4	.33	.80	.23	.36
31	1.76	-	24	9.30	-	121	-	5.7	-	.67	.20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	178.05	50	1.52	5.74	0.404	0.47
November	299.01	111	2.14	9.97	.702	.78
December	809.20	353	6.45	26.1	1.84	2.12
Calendar year						
January	773.40	205	9.30	24.9	1.75	2.02
February	629.40	105	6.45	22.5	1.58	1.64
March	1,593.0	209	9.6	51.4	3.62	4.17
April	1,328.0	235	12	44.3	3.12	3.48
May	516.2	150	5.4	16.7	1.18	1.36
June	96.03	25	.33	3.20	.225	.25
July	180.91	50	.41	5.84	.411	.47
August	10.85	1.1	.06	.350	.025	.03
September	53.46	17	.10	1.78	.125	.14
Water year 1934-35	6,467.51	353	.06	17.7	1.25	16.93

*Estimated.

Lower Little River at Linden, N. C.

Location.- Water-stage recorder, lat. 35°16', long. 78°46'40", at bridge on State Highway 21, 1 mile west of Linden, Cumberland County, 1 mile above Stewart Creek, and 4 miles above junction with Cape Fear River. Zero of gage is 71.37 feet above mean sea level.

Drainage area.- 450 square miles.

Records available.- November 1928 to September 1935.

Extremes.- Maximum discharge during year, 2,470 second-feet Sept. 12 (gage height, 8.82 feet); minimum, 38 second-feet Aug. 15 (gage height, 2.22 feet).
1928-35: Maximum discharge observed, 10,300 second-feet Oct. 2, 1929; maximum gage height, 35.5 feet Oct. 4, 1929; minimum discharge, 33 second-feet Sept. 14, 1932.
Maximum stage known, 37.3 feet Sept. 21, 1928 (estimated discharge, 13,000 second-feet).

Remarks.- Records good. Considerable diurnal fluctuation from power operations except at high stages.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.2	36	3.6	337	6.5	1,475
2.4	53	4.0	474	7.0	1,685
2.6	80	4.5	665	7.5	1,900
2.8	118	5.0	865	8.0	2,115
3.0	164	5.5	1,065	8.5	2,335
3.3	246	6.0	1,265		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	275	152	1,940	1,020	549	1,180	925	474	180	55	98	232
2	212	174	2,030	1,260	549	925	945	470	190	58	47	200
3	201	210	1,360	1,310	511	745	945	434	159	60	86	144
4	193	287	885	1,180	511	646	805	340	226	64	46	134
5	198	246	745	925	492	626	745	296	360	64	77	233
6	210	243	606	805	511	626	745	293	511	77	42	1,990
7	226	260	587	685	467	606	1,140	263	403	102	60	1,990
8	269	229	549	646	442	587	1,350	260	259	114	100	2,160
9	240	198	587	745	434	549	1,560	252	215	131	116	1,430
10	189	190	549	1,020	442	511	1,520	211	204	185	85	1,140
11	220	185	511	1,100	449	442	1,260	205	129	186	52	1,520
12	243	302	474	1,140	463	492	1,000	266	120	158	68	2,160
13	355	281	400	945	474	1,020	925	311	118	112	55	2,200
14	235	269	434	845	965	1,180	885	232	120	93	59	1,640
15	185	221	420	705	1,310	1,180	825	235	112	122	40	1,140
16	177	190	406	665	1,350	885	765	347	96	127	50	745
17	183	190	390	606	1,260	705	665	511	104	140	58	646
18	159	201	431	626	985	606	606	549	114	296	44	549
19	150	198	634	587	785	568	568	431	114	212	74	452
20	152	215	985	568	705	587	568	350	118	215	60	474
21	165	162	1,100	606	665	646	626	845	110	158	106	438
22	112	167	1,020	606	587	626	965	1,480	108	122	82	373
23	145	196	825	825	530	626	945	1,430	78	159	147	340
24	138	238	665	1,020	549	646	865	945	68	57	324	278
25	136	275	549	1,020	492	626	665	646	93	94	162	354
26	129	308	587	925	511	1,140	549	530	76	48	77	431
27	154	258	626	785	965	1,430	467	390	61	278	134	373
28	108	232	705	685	1,140	1,480	470	334	68	282	95	428
29	120	924	646	568	-	1,260	434	296	55	240	93	865
30	140	1,520	646	587	-	1,060	424	249	54	168	314	925
31	129	-	549	549	-	865	-	193	-	113	321	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,748	355	108	185	0.411	0.47
November	8,721	1,520	152	291	.647	.72
December	22,841	2,030	390	737	1.64	1.89
Calendar year 1934	136,146	2,060	52	373	.829	11.23
January	25,559	1,310	549	824	1.83	2.11
February	19,093	1,350	434	682	1.52	1.58
March	26,071	1,480	442	809	1.80	2.08
April	25,157	1,560	424	839	1.86	2.08
May	14,077	1,480	193	454	1.01	1.16
June	4,623	511	54	154	.342	.38
July	4,290	296	55	138	.307	.35
August	3,171	324	40	102	.227	.26
September	25,984	2,200	134	866	1.92	2.14
Water year 1934-35	184,335	2,200	40	505	1.12	15.22

Yadkin River at Wilkesboro, N. C.

Location.- Water-stage recorder, lat. 36°9', long. 81°9', at highway bridge connecting North Wilkesboro and Wilkesboro, Wilkes County, just below mouth of Reddies River.

Drainage area.- 480 square miles.

Records available.- October 1928 to September 1935. April 1903 to June 1909, October 1920 to September 1928 at North Wilkesboro, 1 mile below.

Average discharge.- 15 years (1920-35), 742 second-feet.

Extremes.- Maximum discharge during year, 11,000 second-feet Nov. 29 (gage height, 13.95 feet); minimum, 325 second-feet Nov. 20 (gage height, 1.95 feet).
1903-9, 1920-35: Maximum discharge, about 23,000 second-feet Oct. 2, 1929; minimum, 130 second-feet Jan. 31, 1934 (gage height, 1.55 feet).
Maximum stage observed, 34.5 feet July 1916.

Remarks.- Records good except those estimated on basis of comparison with records of other stations in the basin, which are fair. Slight diurnal fluctuations from operation of power plant on Reddies River 1 mile upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.0	350	3.0	965	5.0	2,365	7.5	4,410
2.2	460	3.3	1,170	5.5	2,740	8.0	4,860
2.4	580	3.6	1,380	6.0	3,140	9.0	5,800
2.6	705	4.0	1,660	6.5	3,555	10.0	6,800
2.8	835	4.5	2,010	7.0	3,980	11.0	7,800

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*1,000	454	5,490	960	770	686	1,280	802	580	372	604	*440
2	*750	449	1,970	900	750	660	1,170	770	562	378	568	432
3	*550	405	1,340	744	750	653	1,030	764	574	600	532	432
4	*480	842	1,170	672	744	640	1,030	738	616	466	496	856
5	*550	651	965	610	698	672	965	712	586	615	478	2,170
6	*4,360	514	868	598	679	764	965	770	544	742	454	2,010
7	2,010	460	802	610	653	1,060	1,170	783	520	653	444	1,140
8	*1,030	444	757	640	640	868	1,280	738	508	2,200	574	1,750
9	*809	432	716	6,820	646	770	1,170	692	526	998	508	3,600
10	*692	422	686	2,070	744	738	1,060	744	514	1,030	478	1,340
11	*965	460	653	1,730	660	776	998	757	490	628	460	965
12	*744	427	568	1,280	628	2,040	965	692	484	809	432	816
13	640	405	646	1,060	750	3,470	932	744	478	660	460	718
14	580	410	598	965	1,420	1,730	900	705	496	1,210	460	653
15	538	400	568	868	1,870	1,240	868	712	532	2,060	410	610
16	514	394	562	822	1,240	1,060	828	757	484	783	520	580
17	490	394	574	816	1,060	965	809	744	508	640	538	568
18	484	383	550	764	900	868	802	672	580	738	610	550
19	496	388	653	724	835	835	816	640	550	763	712	514
20	472	383	712	790	790	1,030	802	640	466	616	1,060	520
21	460	383	598	790	738	1,060	1,820	744	438	538	1,170	502
22	449	388	580	1,700	724	965	1,560	679	562	750	776	472
23	432	865	568	5,680	724	1,100	1,100	634	472	744	868	478
24	416	946	550	2,210	686	1,060	965	828	427	809	998	*480
25	416	610	532	1,520	672	1,100	900	1,170	416	825	744	*460
26	490	532	532	1,240	790	3,420	835	835	416	2,480	592	*450
27	427	502	520	1,100	835	1,940	835	724	410	2,790	532	*440
28	405	906	508	965	692	1,480	790	666	422	1,280	508	449
29	394	7,130	574	900	-	1,200	900	628	422	998	490	444
30	400	2,850	550	668	-	1,060	965	622	383	757	*470	394
31	400	-	556	809	-	1,170	-	622	-	653	*450	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	22,843	4,360	394	737	1.54	1.78
November	24,229	7,130	383	808	1.68	1.87
December	28,918	5,490	508	868	1.81	2.09
Calendar year 1934	239,547	7,130	233	656	1.37	18.57
January	42,225	6,820	598	1,362	2.84	3.27
February	23,088	1,870	628	825	1.72	1.79
March	37,080	3,470	640	1,196	2.49	2.87
April	30,510	1,820	790	1,017	2.12	2.36
May	22,728	1,170	622	733	1.53	1.76
June	14,966	616	383	499	1.04	1.16
July	29,605	2,790	372	955	1.99	2.29
August	18,396	1,170	410	593	1.24	1.43
September	25,233	3,600	394	841	1.75	1.95
Water year 1934-35	317,821	7,130	372	871	1.81	24.62

*Estimated.

Yadkin River at Yadkin College, N. C.

Location.- Water-stage recorder, lat. 35°51'25", long. 80°23'25", at State highway bridge 1 mile southwest of Yadkin College, Davidson County.

Drainage area.- 2,250 square miles.

Records available.- July 1928 to September 1935.

Extremes.- Maximum discharge during year, 27,900 second-feet Dec. 2 (gage height, 18.78 feet); minimum, 1,220 second-feet Nov. 16, Aug. 14; minimum gage height, 1.03 feet Nov. 16.

1928-35: Maximum discharge, 67,800 second-feet Oct. 3, 1929 (gage height, 29.8 feet); minimum, 395 second-feet Sept. 20, 1932 (gage height, 0.05 foot).

Remarks.- Records good except those estimated on basis of comparison with records of other stations in the basin, which are fair. Slight diurnal fluctuation caused by operation of small power plant about 10 miles upstream.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Jan. 23				Table for Jan. 24 to Sept. 30			
1.0	1,180	5.0	5,310	1.0	1,100	5.0	4,950
1.3	1,450	6.0	6,510	1.3	1,340	6.0	6,050
1.6	1,720	8.0	9,220	1.6	1,590	8.0	8,400
2.0	2,100	10.0	12,220	2.0	1,950	10.0	11,100
3.0	3,100	12.0	15,320	3.0	2,950	12.0	14,200
4.0	4,200	14.0	18,620	4.0	3,950	14.0	17,700

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,370	1,400	20,500	4,390	2,950	2,650	5,900	3,350	1,770	1,380	*2,200	1,420
2	2,150	1,400	24,400	4,860	2,850	2,500	7,790	2,750	2,000	1,340	*2,000	1,340
3	1,760	1,500	8,320	3,540	2,850	2,450	5,310	2,650	1,900	1,500	*1,900	1,340
4	1,630	1,580	5,670	2,900	2,750	2,350	4,350	2,550	2,000	1,500	1,820	1,420
5	1,540	2,630	4,640	2,600	2,500	2,400	3,950	2,550	2,650	1,590	1,680	3,340
6	1,700	2,400	3,650	2,400	2,350	2,550	3,750	2,400	2,250	2,050	1,590	7,990
7	10,200	1,760	3,210	2,300	2,300	3,450	3,750	2,650	1,950	2,300	1,500	5,790
8	6,040	1,580	2,900	2,350	2,250	4,050	4,350	2,850	1,860	*2,100	1,720	3,550
9	3,510	1,500	2,800	3,820	2,250	3,250	5,170	2,650	1,860	*8,000	1,680	2,950
10	2,800	1,500	2,600	14,000	2,650	2,750	4,350	2,400	2,200	*4,000	1,680	6,060
11	2,700	1,500	2,500	7,590	2,850	2,750	3,750	2,750	1,900	*5,500	1,640	3,620
12	2,800	1,540	2,350	4,860	2,550	3,920	3,550	2,750	1,770	*3,000	1,680	2,850
13	2,600	1,500	2,250	3,870	2,450	17,300	3,550	2,450	1,900	*2,000	1,590	2,400
14	2,250	1,400	2,300	3,430	4,370	12,500	3,350	2,650	1,900	*2,300	1,380	2,150
15	1,950	1,400	2,300	3,000	9,440	6,870	3,150	2,750	2,550	*3,500	1,460	1,950
16	1,860	1,400	2,200	2,800	6,730	4,550	2,950	2,550	2,250	*6,400	1,340	1,860
17	1,810	1,400	2,200	2,700	4,550	4,250	2,850	2,550	1,900	*4,000	1,500	1,770
18	1,680	1,400	2,200	2,800	3,950	*3,850	2,750	2,550	2,000	*2,500	1,820	1,680
19	1,630	1,360	2,350	2,600	3,450	3,750	2,850	2,350	2,000	*2,000	2,050	1,680
20	1,680	1,450	3,100	2,500	3,150	3,750	2,850	2,200	1,950	*2,200	2,650	1,640
21	1,580	1,400	2,800	2,700	2,850	3,950	5,320	2,500	1,770	*2,000	3,250	1,590
22	*1,580	1,400	2,450	2,800	2,650	3,950	7,890	2,950	1,640	*1,800	2,550	1,540
23	1,580	1,450	2,400	11,500	2,650	3,850	5,300	2,550	1,900	*2,000	2,500	1,460
24	1,540	3,270	2,300	15,600	2,650	3,660	3,850	2,300	1,720	*2,000	2,550	1,420
25	1,400	3,210	2,250	6,620	2,450	3,950	3,750	3,050	1,540	*2,300	2,250	1,380
26	1,450	2,050	2,200	4,750	2,450	8,370	3,150	3,450	1,460	*5,500	2,000	1,380
27	1,540	1,810	2,250	4,150	3,350	11,600	2,950	2,750	1,420	*10,000	1,680	1,380
28	1,540	1,760	2,150	3,750	3,250	6,460	2,850	2,450	1,420	*6,000	1,540	1,420
29	1,360	9,300	2,150	3,550	-	5,170	2,750	2,250	1,460	*4,000	1,460	1,420
30	1,320	22,900	2,250	3,350	-	4,350	2,950	2,150	1,460	*3,000	1,500	*1,400
31	1,360	-	2,200	3,250	-	4,250	-	2,350	-	*2,500	1,460	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	71,910	10,200	1,320	2,320	1.03	1.19
November	80,150	22,900	1,360	2,672	1.19	1.33
December	127,840	24,400	2,150	4,124	1.83	2.11
Calendar year 1934	985,866	24,400	919	2,701	1.20	16.28
January	141,330	15,600	2,300	4,559	2.03	2.34
February	91,490	9,440	2,250	3,268	1.45	1.51
March	150,440	17,300	2,550	4,853	2.16	2.49
April	121,030	7,890	2,750	4,034	1.79	2.00
May	81,100	3,450	2,150	2,616	1.16	1.34
June	56,350	2,650	1,420	1,878	.835	.93
July	100,280	10,000	1,340	3,234	1.44	1.66
August	57,820	3,250	1,340	1,859	.826	.95
September	71,190	7,990	1,340	2,373	1.05	1.17
Water year 1934-35	1,150,710	24,400	1,320	3,153	1.40	19.02

*Estimated.

Pee Dee River near Rockingham, N. C.

Location.- Water-stage recorder, lat. 34°56'10", long. 79°51'10", at State highway bridge 1 mile above Falling Creek, 4 miles below Blewett Falls hydroelectric plant, and 6 miles west of Rockingham, Richmond County. Zero of gage is 81.81 feet above mean sea level.
Drainage area.- 6,910 square miles.
Records available.- September 1927 to September 1935.
Extremes.- Maximum discharge during year, 69,700 second-feet Mar. 26 (gage height, 12.47 feet); minimum, 170 second-feet Sept. 30 (gage height, 0.60 foot); minimum mean daily discharge, 209 second-feet June 23.
1927-35: Maximum discharge, 212,000 second-feet Sept. 19, 1928 (gage height, 25.38 feet, present datum); minimum, 170 second-feet (revised) Oct. 9, 1932, May 28, 1934, Sept. 30, 1935 (gage height, 0.60 foot); minimum mean daily discharge, 190 second-feet (revised) Oct. 9, 1932.
Remarks.- Records good except those estimated and those below 1,500 second-feet, which are poor. Estimates based on fragmentary gage-height record and power-plant records. Flow partly regulated by several storage reservoirs. Large diurnal fluctuations caused by operation of power plant upstream.

On basis of a revised rating curve, previously published discharge below 1,500 second-feet is too small by about 10 percent at 1,000 second-feet, 20 percent at 500 second-feet, 50 percent at 200 second-feet, and 70 percent at 100 second-feet.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.8	210	3.0	4,200	5.5	17,200	8.0	34,000
1.0	260	3.5	6,260	6.0	20,410	9.0	41,200
1.3	380	4.0	8,680	6.5	23,730	10.0	48,700
1.6	650	4.5	11,340	7.0	27,100	11.0	56,700
2.0	1,290	5.0	14,150	7.5	30,510	12.0	65,200
2.5	2,460						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*6,500	4,510	22,400	*15,000	9,930	9,140	24,200	8,520	5,080	4,280	5,570	1,800
2	*7,500	5,300	45,800	*30,000	7,500	6,930	36,800	8,340	671	7,200	6,220	4,710
3	*4,600	3,870	42,400	17,400	3,440	4,500	26,500	8,570	3,830	5,180	3,820	3,490
4	*4,000	1,360	21,200	13,800	4,250	4,110	15,500	7,820	8,550	1,310	1,820	5,900
5	*3,800	5,540	14,700	12,000	6,480	7,940	12,700	6,270	9,280	5,400	4,110	8,080
6	*4,200	5,010	13,000	8,070	6,260	9,280	9,990	5,200	7,230	4,990	4,850	15,000
7	*4,600	5,610	9,730	5,590	5,930	8,110	18,100	4,380	4,620	3,800	5,180	12,000
8	*6,000	5,150	5,170	9,680	5,070	6,730	22,700	5,210	3,600	6,120	5,800	6,040
9	*9,500	5,310	2,050	11,400	5,910	8,490	25,100	5,610	1,140	5,560	5,020	5,080
10	*8,000	2,840	1,580	22,600	870	5,170	17,700	5,710	4,250	5,930	1,900	11,600
11	*9,000	1,850	4,820	16,000	4,630	6,600	15,200	5,370	4,530	6,220	540	19,700
12	*15,000	5,010	7,180	13,000	6,740	9,130	12,800	5,320	3,870	5,950	3,870	11,500
13	*12,000	7,180	7,180	8,740	7,090	35,400	10,400	3,580	4,190	3,540	5,000	8,890
14	* 4,400	5,730	7,180	9,120	11,800	52,400	9,800	6,980	3,930	7,260	5,340	7,310
15	* 3,600	5,730	7,180	10,500	25,100	28,300	7,950	6,790	3,480	6,840	5,690	2,180
16	* 6,000	5,520	1,650	10,000	23,700	15,000	9,240	5,320	732	6,900	5,290	3,090
17	* 5,000	2,080	3,610	9,670	22,400	10,500	10,500	4,890	4,050	4,180	4,920	4,040
18	* 5,500	414	7,130	9,660	15,500	10,100	10,400	7,040	4,780	4,390	2,510	4,920
19	* 4,000	3,380	5,670	9,540	14,300	11,400	8,120	5,100	4,720	6,820	3,750	5,830
20	* 2,400	7,620	8,650	6,720	13,500	10,700	6,520	5,440	4,500	6,200	3,710	5,340
21	*600	6,480	7,880	3,920	11,500	11,600	7,300	11,200	3,920	848	3,270	2,370
22	*1,200	6,140	7,960	4,750	9,830	10,800	10,200	19,000	1,660	3,620	2,320	320
23	*4,600	6,820	7,920	10,800	9,880	9,620	24,200	13,100	209	4,910	2,020	4,120
24	*5,000	6,290	3,310	16,000	8,720	5,390	16,000	9,860	2,650	5,680	3,140	7,770
25	*4,600	782	4,410	16,000	4,360	8,250	12,700	8,770	2,800	6,630	745	6,320
26	*4,400	2,900	4,200	13,500	7,780	46,900	10,000	1,850	6,000	5,660	2,460	6,240
27	*3,800	5,390	5,990	9,470	16,500	61,000	9,170	3,620	6,120	3,800	3,220	6,500
28	*1,000	5,160	7,890	8,620	16,100	38,600	5,870	5,300	4,940	1,120	3,770	7,030
29	*2,800	10,200	7,550	11,700	-	22,800	4,860	5,310	2,600	3,670	5,450	1,010
30	*2,800	20,500	4,170	9,830	-	13,900	8,960	5,820	1,900	6,410	7,490	3,670
31	3,250	-	2,470	10,200	-	12,600	-	4,730	-	6,410	3,790	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	159,650	15,000	600	5,150	0.745	0.86
November	159,676	20,500	414	5,323	.770	.86
December	302,030	45,800	1,580	9,743	1.41	1.63
Calendar year 1934	2,233,005	45,800	222	6,118	.885	12.04
January	363,280	30,000	3,920	11,720	1.70	1.96
February	285,070	25,100	870	10,180	1.47	1.53
March	501,890	61,000	4,110	16,190	2.34	2.70
April	419,500	36,800	4,860	13,980	2.02	2.25
May	210,020	19,000	1,850	6,775	.980	1.13
June	119,832	9,280	209	3,994	.578	.64
July	156,828	7,260	848	5,059	.732	.84
August	122,585	7,490	540	3,954	.572	.66
September	192,050	19,700	320	6,402	.926	1.03
Water year 1934-35	2,992,411	61,000	209	8,198	1.19	16.09

*Estimated.

Fisher River near Copeland, N. C.

Location.- Staff gage, lat. 36°19'55", long. 80°40'30", 300 feet above highway bridge on State Highway 268, about half a mile (revised) above Cody Creek and 2 miles west of Copeland, Surrey County.

Drainage area.- 125 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 7,600 second-feet Oct. 6 (gage height, 11.15 feet, from graph based on gage readings); minimum, 72 second-feet Nov. 22 (gage height, 11.15 feet, from graph based on gage readings); minimum, 72 second-feet Nov. 22 (gage height, 2.08 feet).
1931-35: Maximum discharge, that of Oct. 6, 1934; minimum observed, 21 second-feet Sept. 18, 1932 (gage height, 1.70 feet).

Remarks.- Records good. Estimates based on comparison with records of other stations in the basin.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.0	58	3.3	450	5.5	1,905
2.2	93	3.6	605	6.0	2,300
2.4	135	4.0	840	6.5	2,720
2.6	185	4.5	1,175	7.0	3,160
2.8	247	5.0	1,530	8.0	4,120
3.0	321			9.0	5,150

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	135	88	1,410	200	162	147	265	200	128	95	135	86
2	103	86	475	172	162	147	247	149	124	321	128	84
3	93	341	321	167	159	147	230	147	124	142	122	126
4	89	341	265	149	157	154	214	145	361	117	120	766
5	84	214	247	137	152	157	200	142	172	105	117	2,780
6	5,050	164	230	131	149	321	230	147	131	128	115	3,790
7	1,680	133	214	131	147	200	283	185	122	103	111	783
8	404	115	185	780	147	182	302	230	117	88	111	214
9	200	109	175	382	180	177	247	162	159	427	107	185
10	169	107	169	265	200	172	230	265	131	140	103	175
11	152	105	162	247	214	182	200	162	126	95	101	162
12	145	101	157	214	182	1,250	200	137	321	91	95	147
13	140	99	149	185	214	818	200	137	200	99	91	135
14	134	95	142	180	321	283	185	133	404	784	88	131
15	113	89	135	175	265	200	175	167	302	605	321	126
16	97	88	131	167	247	185	200	152	128	135	185	117
17	99	84	128	157	230	177	180	142	120	147	214	113
18	97	82	126	147	200	164	172	131	122	404	230	111
19	93	80	177	140	185	200	164	124	120	172	167	107
20	91	79	185	159	180	200	164	185	120	135	149	107
21	89	75	159	302	159	182	265	230	115	131	525	103
22	91	73	142	800	157	172	214	152	131	230	283	*100
23	88	283	137	1,500	154	180	175	185	122	180	145	*95
24	84	172	135	341	152	283	169	302	103	154	120	*95
25	82	137	131	247	159	185	164	200	88	1,470	115	*90
26	95	122	126	230	157	632	159	149	89	965	111	*90
27	88	107	124	230	152	200	157	131	91	404	109	*90
28	82	112	122	214	147	185	157	126	89	214	101	86
29	80	4,330	124	200	-	180	152	124	88	182	99	84
30	79	2,300	122	182	-	172	265	128	89	159	95	80
31	93	-	117	169	-	247	-	131	-	142	91	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	10,109	5,050	79	326	2.61	3.01
November	10,311	4,330	73	344	2.75	3.07
December	6,622	1,410	117	214	1.71	1.97
Calendar year 1934	73,436	5,050	50	201	1.61	21.84
January	8,700	1,500	131	281	2.25	2.59
February	5,090	321	147	182	1.46	1.52
March	8,081	1,250	147	261	2.09	2.41
April	6,165	302	152	206	1.65	1.84
May	5,100	302	124	165	1.32	1.52
June	4,537	404	88	151	1.21	1.35
July	8,614	1,470	88	278	2.22	2.56
August	4,604	525	88	149	1.19	1.37
September	11,158	3,790	80	372	2.98	3.32
Water year 1934-35	89,091	5,050	73	244	1.95	26.53

*Estimated.

South Yadkin River at Cooleemee, N. C.

Location.- Water-stage recorder, lat. 35°48'30", long. 80°33'45", below tailrace of Erwin Cotton Mills at Cooleemee, Davie County.

Drainage area.- 560 square miles.

Records available.- June 1928 to September 1935.

Extremes.- Maximum discharge during year, 5,130 second-feet Dec. 2 (gage height, 13.75 feet); minimum, 29 second-feet Sept. 20 (gage height, 0.72 foot); minimum mean daily discharge, 139 second-feet Nov. 17.

1928-35: Maximum discharge (estimated), 24,800 second-feet Oct. 3, 1929 (gage height, 32.25 feet); minimum, 10 second-feet Nov. 25, 1931 (gage height, 0.40 foot); minimum mean daily discharge, 46 second-feet Sept. 11, 1932.

Remarks.- Records good except those estimated, those above 800 second-feet, and those for Feb. 17 to Mar. 25, which are poor. Estimates based on comparison with records of other stations in the basin and study of weather records. Large diurnal fluctuations during low and medium stages caused by operation of Erwin Cotton Mills.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	72	2.0	410	4.0	1,210	10.0	3,610
1.2	124	2.3	530	5.0	1,610	11.0	4,010
1.4	190	2.6	650	6.0	2,010	12.0	4,410
1.6	260	3.0	810	8.0	2,810	13.0	4,810
1.8	334	3.5	1,010	9.0	3,210	14.0	5,210

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	656	*260	4,330	1,230	531	570	1,850	624	425	268	*280	235
2	362	*240	4,850	1,270	445	494	2,330	530	410	260	*280	262
3	290	*280	2,730	805	494	518	1,370	538	456	253	*300	294
4	325	*500	1,050	639	477	550	970	530	402	209	267	296
5	291	*400	809	530	505	482	830	514	422	384	302	1,140
6	257	*320	660	502	448	570	831	548	345	552	228	1,280
7	1,330	*280	589	545	448	970	850	540	364	498	233	531
8	*800	*260	526	474	450	790	1,250	598	349	445	228	374
9	*400	*260	502	1,000	382	550	1,110	517	357	843	*340	436
10	*600	*200	475	1,530	498	570	670	467	359	1,210	*300	834
11	*1,500	*280	432	1,030	580	590	750	558	369	*1,160	*220	482
12	*800	*300	425	692	487	1,890	784	558	291	*700	*280	344
13	*500	*260	394	610	589	4,170	750	556	378	*500	*260	306
14	*360	*280	429	557	1,650	3,850	599	576	324	*550	236	259
15	*320	*274	336	507	2,850	1,570	651	695	370	*650	233	272
16	*300	279	387	491	2,490	1,130	620	578	376	*360	207	372
17	*280	139	421	467	1,420	676	557	598	396	*320	336	235
18	*320	249	379	460	890	770	540	486	402	*400	315	250
19	*340	329	462	358	730	670	570	490	365	*360	460	268
20	*280	252	596	450	670	790	688	544	335	*340	558	271
21	*200	265	502	480	610	870	2,210	556	302	*380	926	239
22	*260	144	488	526	570	750	3,450	679	225	*800	558	207
23	*260	286	421	2,010	510	750	2,690	507	353	*600	402	343
24	*240	561	353	3,490	550	570	1,130	481	346	*400	216	226
25	*240	445	395	2,250	570	790	906	604	271	*360	289	231
26	*280	388	469	1,050	526	2,490	733	550	277	*700	306	284
27	*260	307	371	713	670	3,050	690	535	266	*600	243	333
28	*240	335	284	679	650	1,970	650	418	264	*400	252	279
29	*160	2,210	399	610	-	1,290	651	416	187	*340	243	224
30	*240	3,690	410	589	-	970	633	447	254	*280	284	332
31	*240	-	556	563	-	1,170	-	415	-	*300	145	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	12,931	1,500	160	417	0.745	0.86
November	14,273	3,690	139	476	.850	.95
December	25,430	4,850	284	820	1.46	1.68
Calendar year 1934	212,220	5,090	117	581	1.04	14.08
January	27,107	3,490	358	874	1.56	1.80
February	21,690	2,850	382	775	1.38	1.44
March	36,840	4,170	482	1,188	2.12	2.44
April	32,513	3,450	540	1,084	1.94	2.16
May	16,653	695	415	537	.959	1.11
June	10,240	456	187	341	.609	.68
July	15,422	1,210	209	497	.887	1.02
August	9,727	926	145	314	.561	.65
September	11,439	1,280	207	381	.680	.76
Water year 1934-35	234,265	4,850	139	642	1.15	15.55

*Estimated.

Uharie River near Trinity, N. C.

Location.- Water-stage recorder, lat. 35°52'10", long. 79°59'10", 500 feet below county highway bridge 2 miles south of Trinity, Randolph County.

Drainage area.- 11.3 square miles.

Records available.- May 1934 to September 1935.

Extremes.- Maximum discharge during year, 748 second-feet July 13 (gage height, 3.98 feet); minimum, 0.30 second-foot Aug. 17 (gage height, 0.50 foot).
1934-35: Maximum discharge observed, 755 second-feet June 6, 1934 (gage height, 4.86 feet); minimum, 0.25 second-foot Sept. 5, 1934.

Remarks.- Records good between 2 and 100 second-feet, fair above and below these limits. Discharge estimated July 9, 22 on basis of staff-gage readings.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.70	2.78	139	109	5.50	6.25	113	6.25	3.7	0.96	1.3	0.44
2	3.33	2.22	21	25	5.50	6.25	33	6.00	3.5	.96	1.2	.54
3	2.96	1.85	12.9	16.0	5.75	6.00	21	5.75	5.5	.87	1.0	.39
4	2.78	3.61	10.9	12.1	5.25	5.75	17	5.75	5.5	.87	.96	28
5	2.78	2.59	8.3	9.65	4.72	6.95	14	5.50	4.0	1.9	.87	18
6	32	2.96	7.25	8.95	4.46	31	16	7.40	3.3	6.4	.73	8.7
7	10.5	2.22	6.25	7.95	4.21	25	21	8.95	3.0	2.2	.87	7.6
8	6.0	2.04	5.75	7.60	4.21	17.0	54	5.75	2.8	1.3	1.1	2.5
9	4.72	1.85	5.25	30	4.72	10.9	25	4.98	2.8	3.5	1.0	7.3
10	4.98	2.04	4.72	17.0	9.60	10.1	18	13	2.6	7.4	.80	6.6
11	5.25	3.70	4.21	12.5	5.75	9.65	15	7.25	2.4	4.6	.73	3.8
12	3.96	2.40	3.70	9.65	5.25	209	14	5.50	2.9	2.2	.66	2.5
13	3.14	2.22	3.96	8.65	53	102	12	6.60	4.1	110	.54	1.9
14	2.96	2.04	3.70	7.60	81	26	10	6.30	2.2	27	.44	1.5
15	2.78	1.85	3.52	6.60	43	17.0	9.30	5.75	4.7	4.8	.39	1.3
16	2.59	1.85	3.52	6.25	25	13.3	8.30	7.50	3.0	3.0	.39	1.2
17	2.40	1.85	3.52	6.25	37	11.7	7.60	6.00	2.2	3.4	.39	1.0
18	2.22	1.85	3.33	5.75	19.0	9.65	6.95	4.72	1.7	3.0	4.0	1.1
19	2.22	1.85	23	5.50	14.6	10.9	7.95	3.96	1.6	2.5	1.7	1.1
20	2.22	1.85	12.9	6.25	11.7	12.5	7.95	34	1.5	2.0	1.5	1.0
21	2.04	1.85	8.95	6.00	10.1	23.0	158	67	1.4	2.2	1.0	.96
22	2.04	1.85	7.95	6.00	9.30	23	28	16	3.3	9.7	.80	.80
23	1.85	2.76	6.25	21	8.95	15.5	20	11	1.7	3.8	.73	.87
24	1.74	3.14	5.75	12.1	7.60	19.8	15	11	1.4	2.3	.66	.73
25	1.85	2.04	5.50	9.30	7.25	57	12	9.65	1.3	1.9	.44	.73
26	4.17	1.85	6.60	8.30	8.30	96	10	7.25	1.2	8.9	.44	.73
27	1.85	1.85	5.50	7.60	7.60	26	9.30	6.00	1.1	4.5	.39	.96
28	1.54	12.2	5.25	6.75	6.60	27	8.65	5.50	1.0	2.0	.44	1.2
29	1.64	36	5.75	7.45	-	17.0	8.30	4.72	.9	1.8	.66	.87
30	1.64	33	5.25	5.75	-	14.2	6.95	4.72	.9	1.5	.73	.66
31	1.74	-	40	5.55	-	50	-	4.21	-	1.4	.49	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	125.59	32	1.54	4.05	0.358	0.41
November	142.16	36	1.85	4.74	.419	.47
December	389.43	139	3.33	12.6	1.12	1.29
Calendar year						
January	414.05	109	5.50	13.4	1.19	1.37
February	414.92	81	4.21	14.8	1.31	1.36
March	915.40	209	5.75	29.5	2.61	3.01
April	707.25	158	6.95	23.6	2.09	2.33
May	303.96	67	3.96	9.81	.868	1.00
June	77.2	5.5	.9	2.57	.227	.25
July	228.86	110	.87	7.38	.653	.75
August	27.35	4.0	.39	.882	.078	.09
September	104.98	28	.39	3.50	.310	.35
Water year 1934-35	3,851.15	209	.39	10.6	.938	12.68

Rocky River near Norwood, N. C.

Location.- Water-stage recorder, lat. 35°8'40", long. 80°10'45", at Hyatts Ford, 1,000 feet below Lanes Creek and 6 miles southwest of Norwood, Stanley County.

Drainage area.- 1,380 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year, 30,200 second-feet Mar. 26 (gage height, 21.0S feet); minimum, 60 second-feet Aug. 30 (gage height, 0.33 foot).
1929-35: Maximum discharge (estimated), 52,500 second-feet Oct. 2, 1929 (gage height, 31.4 feet); minimum, 19 second-feet Oct. 28, 1931, Nov. 13, 1933.
Maximum stage known, about 35 feet in August 1908 (estimated discharge, 60,000 second-feet).

Remarks.- Records fair. Estimates based on gage-height record adjusted for obstructed intake and comparison with Little Sugar Creek near Charlotte. Slight diurnal fluctuation during low stages.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Nov. 30

0.4	74	2.6	1,530
.6	120	3.0	1,950
.8	182	3.5	2,500
1.0	258	4.0	3,090
1.3	410	5.0	4,320
1.6	608	6.0	5,620
2.0	945	8.0	8,300
2.3	1,230		

Table for Dec. 1 to Sept. 30

0.3	54	3.0	1,860
.4	74	4.0	3,000
.6	120	5.0	4,225
.8	173	6.0	5,500
1.0	244	8.0	8,240
1.3	390	10.0	11,200
1.6	588	13.0	15,900
2.0	900	16.0	21,000
2.5	1,350	19.0	26,300

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	106	577	11,100	11,600	385	1,030	6,160	552	206	83	183	139
2	106	1,310	5,840	7,520	358	828	8,010	414	190	87	142	96
3	94	504	1,630	2,300	363	*709	2,740	347	279	89	130	89
4	89	295	956	1,450	414	*650	1,650	307	3,390	364	118	1,150
5	87	250	748	1,050	390	*600	1,300	274	1,170	512	110	3,290
6	87	272	603	844	347	640	1,970	266	457	*336	103	11,300
7	1,660	207	516	804	321	1,670	7,500	592	287	*250	85	2,160
8	571	176	476	748	302	1,550	6,670	1,160	225	*200	85	663
9	218	160	426	7,480	297	860	4,730	868	199	*173	108	455
10	166	153	374	6,160	316	633	2,300	420	170	687	108	10,900
11	6,410	278	341	2,240	385	574	1,650	941	158	569	120	6,540
12	5,640	376	307	1,350	374	1,920	1,350	390	142	735	92	*2,140
13	1,250	299	257	980	804	15,700	1,400	292	137	597	110	*1,250
14	586	211	261	852	7,340	7,090	1,250	253	125	1,700	87	*860
15	410	182	261	725	8,450	2,020	1,020	760	113	1,180	92	*686
16	339	176	233	626	3,910	1,350	884	1,250	110	358	72	530
17	290	160	225	574	3,950	1,070	756	1,060	92	206	145	408
18	246	153	233	538	*2,420	964	656	732	106	158	214	312
19	211	147	817	483	*1,450	772	588	420	106	2,730	144	257
20	200	147	3,200	457	1,120	788	516	755	134	1,100	173	186
21	193	141	1,440	463	860	1,990	1,790	7,560	118	402	380	153
22	186	138	804	538	725	1,250	4,120	3,280	106	4,610	275	144
23	169	144	717	2,280	678	868	*2,410	1,050	89	844	250	893
24	150	166	648	2,410	610	804	*1,250	626	76	432	466	326
25	144	314	538	1,120	552	1,460	*836	503	113	225	175	214
26	138	204	868	796	1,240	22,900	*603	457	101	161	94	173
27	126	160	2,580	694	6,520	15,300	523	374	78	1,430	98	1,020
28	120	244	1,200	626	2,260	5,200	470	312	85	2,140	74	940
29	118	7,000	868	483	-	3,400	463	270	78	726	70	341
30	123	4,350	844	450	-	1,750	812	233	78	292	74	221
31	101	-	884	450	-	2,820	-	214	-	266	116	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	20,534	6,410	87	662	0.480	0.55
November	18,894	7,000	138	630	.457	.51
December	40,195	11,100	225	1,297	.940	1.08
Calendar year 1934	337,892	11,200	76	926	.671	9.10
January	59,091	11,600	450	1,906	1.38	1.59
February	47,141	8,450	297	1,684	1.22	1.27
March	99,160	22,900	574	3,199	2.32	2.68
April	66,377	8,010	463	2,213	1.60	1.78
May	26,932	7,560	214	869	.630	.73
June	8,718	3,390	76	291	.211	.24
July	23,622	4,610	83	762	.552	.64
August	4,495	466	70	145	.105	.12
September	47,836	11,300	89	1,595	1.16	1.29
Water year 1934-35	462,995	22,900	70	1,268	.919	12.48

*Estimated.

Lynches River at Effingham, S. C.

Location.- Water-stage recorder, lat. 34°3', long. 79°45', at steel highway bridge on U. S. Highway 52, 75 feet upstream from Atlantic Coast Line Railroad bridge and 1 mile south of Effingham, Florence County. Zero of gage is 58.70 feet above mean sea level, unadjusted.

Drainage area.- 1,070 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum discharge during year, 3,750 second-feet Sept. 14 (gage height, 12.58 feet); minimum, 116 second-feet July 1.
1929-35: Maximum discharge, 15,200 second-feet Oct. 7, 1929 (gage height, 19.25 feet); minimum, that of July 1, 1935.
Maximum stage known, 20.0 feet Aug. 30, 1908 (estimated discharge, 18,000 second-feet).

Remarks.- Records good. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 17 to Dec. 4)

Table for Oct. 1 to Sept. 14						Table for Sept. 15-30					
1.5	115	4.0	491	9.0	1,840	4.5	552	9.0	1,840		
2.0	190	5.0	658	10.0	2,190	5.0	654	10.0	2,190		
2.5	265	6.0	894	11.0	2,610	6.0	894	11.0	2,610		
3.0	340	7.0	1,185	12.0	3,265	7.0	1,185	12.0	3,265		
3.5	415	8.0	1,490	13.0	4,105	8.0	1,490				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	280	198	348	678	678	639	507	400	265	120	212	220
2	272	188	415	678	621	678	507	400	250	128	198	258
3	280	184	507	658	587	721	507	430	235	152	187	385
4	265	190	604	678	587	842	539	460	235	156	174	491
5	250	198	721	721	587	976	571	445	228	169	160	616
6	235	205	817	792	571	1,120	587	400	242	181	152	894
7	228	212	948	921	555	1,360	621	362	268	187	148	721
8	220	212	1,100	1,100	555	1,630	604	348	400	205	145	700
9	220	220	1,600	1,160	539	1,490	621	325	491	220	144	1,380
10	235	220	2,020	1,300	523	1,060	699	302	587	288	140	1,490
11	265	220	1,940	1,360	523	817	768	288	678	362	138	1,700
12	272	212	1,630	1,160	523	744	894	288	721	370	172	2,020
13	256	212	1,180	921	523	817	1,040	288	486	318	235	3,100
14	280	212	768	948	555	768	1,160	295	310	355	212	3,660
15	378	220	621	1,000	621	792	1,280	340	265	370	190	3,190
16	445	220	555	1,180	558	868	1,300	355	242	325	220	2,500
17	365	220	555	1,930	744	976	1,060	318	235	325	190	2,160
18	302	228	539	2,300	894	1,040	721	302	235	332	169	1,940
19	250	228	539	2,120	948	1,120	604	302	220	340	150	2,150
20	235	235	523	1,740	1,060	1,280	539	340	212	332	140	2,210
21	220	235	539	1,340	1,120	1,420	507	430	212	310	134	2,020
22	212	250	555	976	1,280	1,600	507	460	205	370	142	1,550
23	212	242	587	792	1,460	1,360	491	365	186	445	140	1,100
24	205	242	678	744	1,520	921	491	378	174	507	145	652
25	205	250	792	699	1,280	699	507	460	164	430	164	533
26	196	258	894	699	842	621	539	555	154	318	164	514
27	190	265	921	699	699	587	555	621	145	288	145	552
28	164	280	792	768	658	555	491	523	136	258	139	612
29	182	325	658	842	-	539	460	362	130	228	156	612
30	182	332	587	868	-	523	430	318	122	212	242	612
31	187	-	621	768	-	507	-	288	-	212	250	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,732	445	182	249	0.233	0.27
November	6,913	332	184	230	.215	.24
December	25,554	2,020	346	824	.770	.89
Calendar year 1934	182,793	2,300	182	501	.468	6.36
January	32,440	2,300	658	1,046	.978	1.13
February	21,711	1,520	523	775	.724	.75
March	29,070	1,630	507	938	.877	1.01
April	20,107	1,300	430	670	.626	.70
May	11,768	621	288	380	.355	.41
June	8,453	721	122	282	.264	.29
July	8,613	507	120	284	.265	.31
August	5,297	250	134	171	.160	.18
September	40,542	3,660	220	1,351	1.26	1.41
Water year 1934-35	218,400	3,660	120	598	.559	7.59

Lumber River at Boardman, N. C.

Location.- Staff gage, lat. 34°26'40", long. 78°56'35", at State highway bridge 1½ miles below Big Swamp and 1 mile below Atlantic Coast Line Railroad bridge at Boardman, Columbus County.

Drainage area.- 1,240 square miles.

Records available.- September 1929 to September 1935.

Extremes.- Maximum discharge observed during year, 7,080 second-feet Sept. 14, 15 (gage height, 9.10 feet); minimum, 140 second-feet Aug. 18 (gage height, 0.54 foot).
1929-35: Maximum discharge observed, 7,430 second-feet Oct. 9, 1929 (gage height, 9.20 feet); minimum (estimated), 132 second-feet Oct. 12, 1930.

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	197	2.6	457	5.5	1,300
1.2	224	3.0	533	6.0	1,600
1.4	253	3.5	636	6.5	2,020
1.6	283	4.0	749	7.0	2,640
1.8	315	4.5	870	8.0	4,340
2.0	349	5.0	1,040	9.0	6,780
2.3	400				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,000	283	703	1,300	1,600	1,680	2,020	1,040	657	160	298	657
2	900	283	795	1,360	1,540	1,600	2,120	1,000	615	160	315	726
3	820	283	930	1,360	1,540	1,540	2,240	930	573	160	315	795
4	726	298	960	1,360	1,480	1,480	2,360	900	552	160	298	900
5	680	315	1,000	1,360	1,420	1,480	2,500	845	514	160	283	960
6	636	332	1,040	1,360	1,360	1,420	2,640	795	476	160	253	1,480
7	594	349	1,130	1,360	1,300	1,420	2,640	749	438	160	224	2,120
8	594	349	1,180	1,360	1,240	1,420	2,640	726	419	160	197	2,800
9	573	366	1,360	1,480	1,180	1,420	2,800	703	400	172	172	3,440
10	552	366	1,600	1,540	1,130	1,420	2,800	657	400	184	172	3,980
11	533	383	1,680	1,600	1,130	1,360	2,640	615	400	197	172	4,540
12	495	383	1,600	1,760	1,130	1,360	2,500	573	400	210	160	5,420
13	495	383	1,480	1,840	1,130	1,480	2,500	514	400	253	160	6,480
14	476	366	1,360	1,920	1,180	1,480	2,360	495	400	298	160	6,780
15	457	366	1,300	1,920	1,240	1,480	2,240	495	400	383	160	7,080
16	457	349	1,240	1,920	1,300	1,480	2,240	495	383	438	160	6,480
17	457	349	1,130	1,920	1,360	1,420	2,120	495	332	495	150	5,920
18	438	366	1,040	1,840	1,480	1,360	2,120	533	283	573	150	5,180
19	419	383	960	1,760	1,600	1,360	2,020	533	268	636	150	4,340
20	400	383	960	1,680	1,680	1,360	1,920	552	268	657	150	3,980
21	383	366	960	1,680	1,760	1,300	1,840	615	268	680	172	3,440
22	366	366	960	1,680	1,760	1,300	1,680	680	253	657	197	3,120
23	349	349	1,000	1,600	1,760	1,300	1,600	703	238	636	238	2,640
24	349	349	1,000	1,680	1,760	1,300	1,540	703	224	615	253	2,360
25	332	366	1,000	1,680	1,760	1,300	1,480	703	210	533	283	2,120
26	315	366	1,040	1,680	1,760	1,300	1,360	680	197	457	283	1,840
27	315	383	1,040	1,680	1,760	1,360	1,300	657	184	366	298	1,680
28	315	400	1,080	1,680	1,760	1,360	1,240	636	184	332	315	1,540
29	315	476	1,130	1,680	-	1,480	1,180	636	172	298	315	1,420
30	298	594	1,180	1,600	-	1,760	1,080	636	160	283	400	1,240
31	298	-	1,240	1,600	-	1,840	-	636	160	298	495	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	15,337	1,000	298	495	0.399	0.46
November	10,950	594	283	365	.294	.33
December	35,078	1,680	703	1,132	.913	1.05
Calendar year 1934	233,829	2,120	238	641	.517	7.01
January	50,240	1,920	1,300	1,621	1.31	1.51
February	41,100	1,760	1,130	1,468	1.18	1.23
March	44,820	1,840	1,300	1,439	1.16	1.34
April	61,720	2,800	1,080	2,057	1.66	1.85
May	20,930	1,040	495	675	.544	.63
June	10,668	657	160	356	.287	.32
July	10,931	680	160	353	.285	.33
August	7,348	495	150	237	.191	.22
September	95,458	7,080	657	3,182	2.57	2.87
Water year 1934-35	404,380	7,080	150	1,108	.894	12.14

Black River at Kingstree, S. C.

Location.- Water-stage recorder, lat. 33°40', long. 79°50', at highway bridge at Kingstree, Williamsburg County. Prior to Nov. 7, 1934, tape gage at same site and datum. Zero of gage is 25.86 feet above mean sea level, unadjusted.

Drainage area.- 1,240 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum discharge during year, 2,510 second-feet Sept. 17 (gage height, 9.83 feet); minimum, 4 second-feet June 30, July 1, 4, 5.

1929-35: Maximum observed discharge, 7,280 second-feet (revised 1935) Jan. 25, 1930 (gage height, 12.2 feet); minimum, that of June and July 1935.

Maximum stage known, 18.0 feet Sept. 21, 1928 (discharge, estimated, 26,300 second-feet).

Remarks.- Records good. Discharge for periods Feb. 19 to Mar. 5, 7-27, Apr. 16 to May 1 determined from graph based on daily and twice-daily gage-height readings. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	204	23	176	309	366	403	366	156	20	4	12	110
2	171	22	146	316	356	388	330	147	19	5	11	81
3	141	19	136	316	344	373	296	138	19	5	9	58
4	122	19	136	316	330	358	302	124	18	4	8	94
5	104	19	141	309	316	358	351	112	18	6	7	164
6	92	19	146	309	296	358	403	100	18	13	7	361
7	84	19	156	323	282	358	520	88	16	9	6	670
8	72	19	188	330	270	351	538	77	15	8	6	859
9	65	19	215	358	263	351	557	67	14	7	11	933
10	58	18	239	403	257	351	576	58	13	9	9	1,010
11	65	17	251	419	251	351	596	50	13	9	8	1,170
12	66	16	257	419	251	356	616	46	12	10	7	1,480
13	76	16	263	403	251	403	636	40	11	10	7	1,940
14	76	15	263	388	263	451	657	34	11	11	6	2,200
15	68	15	263	388	302	485	636	31	10	16	5	2,300
16	58	15	257	403	330	502	596	35	10	18	5	2,510
17	51	16	257	435	358	520	538	35	10	18	5	2,510
18	51	17	257	451	373	520	502	32	10	16	8	2,300
19	58	17	270	468	366	520	451	30	10	16	9	2,110
20	58	17	289	485	358	520	403	28	9	14	13	1,860
21	58	18	296	502	358	485	366	26	9	13	18	1,600
22	51	19	302	520	358	451	323	24	8	11	22	1,460
23	45	19	302	538	373	435	284	22	8	10	18	1,280
24	45	19	296	520	380	451	259	22	7	9	13	1,170
25	38	19	289	502	388	468	235	27	6	8	11	1,040
26	33	20	282	485	403	468	212	27	6	7	9	933
27	32	21	289	468	403	468	186	25	5	9	7	835
28	28	22	296	451	403	451	166	24	5	10	7	788
29	27	115	302	419	-	451	156	22	5	18	10	721
30	23	210	302	403	-	451	156	21	4	20	27	636
31	23	-	302	388	-	403	-	21	-	15	82	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,145	204	23	69.2	0.056	0.06
November	838	210	15	27.9	.022	.02
December	7,564	302	136	244	.197	.23
Calendar year 1934	74,702	908	15	205	.165	2.23
January	12,744	538	309	411	.331	.38
February	9,251	403	251	330	.266	.28
March	13,261	520	351	428	.345	.40
April	12,213	657	156	407	.328	.37
May	1,689	156	21	54.5	.044	.05
June	339	20	4	11.3	.0091	.01
July	338	20	4	10.9	.0088	.01
August	383	82	5	12.4	.010	.01
September	35,183	2,510	58	1,173	.946	1.06
Water year 1934-35	95,948	2,510	4	263	.212	2.88

Catawba River at Catawba, N. C.

Location.- Water-stage recorder, lat. 35°42'50", long. 81°4'10", just below bridge on U. S. Highway 70, a quarter of a mile above Lyle Creek, half a mile above Southern Railway bridge, and 1 mile northeast of Catawba, Catawba County.

Drainage area.- 1,540 square miles (including Lyle Creek).

Records available.- November 1934 to September 1935; July 1896 to April 1902 at site half a mile downstream.

Extremes.- Maximum discharge during period, 17,000 second-feet Jan. 10 (gage height, 13.22 feet); minimum, 131 second-feet Nov. 26 (gage height, 2.27 feet).
1896-1902, 1934-35: Maximum discharge observed, 81,500 second-feet May 22, 1901 (gage height, 29.0 feet, former site and datum); minimum, that of Nov. 26, 1934.
Maximum stage known, 44.1 feet July 1916 (by levels of State Bridge Department).

Remarks.- Records good. Records include the discharge of Lyle Creek. No records Jan. 17 to June 7 except those for Mar. 26, 27, Apr. 12, 16, 17. Large diurnal fluctuation from power operations upstream. Flow largely regulated by several reservoirs. Gage-height record collected in cooperation with U. S. Weather Bureau.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.2	110	3.6	1,080	6.5	5,275
2.4	170	4.0	1,530	7.0	6,150
2.6	260	4.5	2,160	8.0	7,900
2.8	370	5.0	2,860	9.0	9,650
3.0	520	5.5	3,610	10.0	11,400
3.3	780	6.0	4,410		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		-	2,240	3,180		-	-		-	1,850	2,280	140
2		-	1,730	2,600		-	-		-	2,120	2,170	2,330
3		-	4,390	2,510		-	-		-	2,200	1,080	2,730
4		-	4,850	2,500		-	-		-	1,150	911	3,130
5		-	3,970	695		-	-		-	1,130	2,210	2,860
6		-	3,680	170		-	-		-	1,080	3,040	2,190
7		-	3,280	2,480		-	-		-	305	2,540	600
8		-	1,540	2,610		-	-		691	1,910	3,370	146
9		-	1,060	2,980		-	-		143	2,240	2,470	2,700
10		-	3,050	8,100		-	-		2,160	2,770	2,070	3,140
11		-	3,490	9,830		-	-		2,350	2,740	480	2,720
12		-	3,390	4,670		-	3,780		2,190	2,470	2,430	2,460
13		-	3,440	5,560		-	-		2,230	1,240	3,050	2,420
14		-	3,330	5,060		-	-		1,380	866	3,110	774
15		3,050	1,720	4,760		-	-		536	2,970	2,850	140
16		2,890	1,330	4,050		-	4,000		140	3,470	2,280	2,200
17		1,550	3,200	-		-	3,530		2,140	3,470	1,260	2,900
18		1,050	3,500	-		-	-		2,220	2,940	289	2,850
19		2,500	3,580	-		-	-		2,440	1,840	2,330	2,870
20		3,450	3,990	-		-	-		1,830	804	2,840	2,810
21		3,220	3,130	-		-	-		1,420	146	3,030	1,160
22		3,360	714	-		-	-		710	2,850	2,750	387
23		3,180	155	-		-	-		143	2,900	2,280	2,740
24		1,610	155	-		-	-		2,300	2,740	540	3,200
25		354	204	-		-	-		2,040	2,440	140	3,350
26		2,730	1,070	-		4,320	-		2,290	2,200	2,690	2,970
27		3,190	2,700	-		4,680	-		2,230	888	3,130	3,260
28		3,290	2,190	-		-	-		2,190	190	2,830	1,870
29		3,680	1,280	-		-	-		1,120	2,110	3,050	277
30		3,260	1,190	-		-	-		146	2,510	2,270	2,730
31		-	2,690			-	-		-	2,260	1,010	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	-	-	-	-	-	-
November 15-30	42,364	3,680	354	2,648	1.72	1.02
December	76,238	4,850	155	2,459	1.60	1.84
Calendar year						
January 1-16	61,755	9,830	170	3,860	2.51	1.49
February	-	-	-	-	-	-
March	-	-	-	-	-	-
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June 8-30	35,059	2,440	140	1,524	.990	.85
July	60,599	3,470	146	1,955	1.27	1.46
August	66,780	3,370	140	2,154	1.40	1.61
September	64,034	3,350	140	2,134	1.39	1.55
Water year						

Wateree River near Camden, S. C.

Location.- Water-stage recorder, lat. 34°14'50", long. 80°39'20", at steel highway bridge 4,800 feet upstream from Seaboard Air Line Railroad bridge, 3 miles southwest of Camden, Kershaw County, and 7 miles downstream from Wateree Dam. Zero of gage is 119.735 feet above mean sea level.

Drainage area.- 5,010 square miles.

Records available.- January 1903 to June 1910; October 1929 to September 1935.

Extremes.- Maximum discharge during year, 30,000 second-feet Mar. 14 (gage height, 24.03 feet); minimum, estimated, 199 second-feet Oct. 1 (gage height, 1.67 feet) caused by shut down of power plant; minimum daily discharge, 297 second-feet Dec. 16.

1904-10, 1929-35: Maximum discharge determined, 199,000 second-feet Oct. 3, 1929 (gage height, 36.2 feet, present site and datum); minimum (estimated), 153 second-feet Oct. 3, 1932, and Dec. 25, 1933 (gage height, 1.49 feet); minimum daily discharge, 202 second-feet Dec. 10, 1933.

Maximum stage known, 40.4 feet July 18, 1916, from U. S. Weather Bureau record. Maximum stage during flood of August 1908, 38.4 feet (former site and datum).

Remarks.- Records fair. Large diurnal fluctuation caused by operation of power plant at Wateree Reservoir (capacity, about 7,000,000,000 cubic feet). Gage-height record collected in cooperation with the U. S. Weather Bureau.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.0	300	3.2	855	5.0	2,310	8.0	6,010	14.0	12,100	22.0	22,000
2.3	411	3.5	1,045	6.0	3,490	9.0	6,940	16.0	14,500	22.5	22,900
2.6	540	4.0	1,410	7.0	4,950	10.0	7,900	18.0	16,900	23.0	24,650
2.9	685	4.5	1,830	7.5	5,550	12.0	9,900	20.0	19,400	24.0	30,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,650	5,940	4,370	7,510	6,980	10,700	9,710	8,710	2,350	3,160	5,720	2,430
2	5,010	6,030	956	5,520	2,900	3,420	14,400	8,300	1,500	5,080	5,300	3,760
3	5,390	2,720	5,050	5,530	598	1,700	13,700	5,520	4,300	4,360	3,380	5,260
4	6,070	734	6,780	5,350	5,260	7,620	11,800	4,180	6,090	3,230	2,230	5,100
5	5,750	4,420	6,900	1,870	6,730	8,340	8,730	3,370	5,640	3,790	4,180	4,680
6	2,190	6,450	7,540	397	6,850	8,220	7,070	6,860	4,970	1,800	5,010	6,550
7	489	6,140	7,490	5,090	7,050	6,690	11,100	8,020	3,960	458	4,800	5,080
8	3,210	5,990	2,850	6,600	6,510	6,910	15,200	7,140	3,060	2,850	4,140	3,170
9	4,860	6,000	568	6,540	1,640	1,830	13,400	6,630	1,180	4,160	4,260	5,530
10	4,770	2,460	6,160	5,230	434	712	11,500	4,140	3,940	4,410	2,090	6,780
11	4,010	696	8,110	6,140	5,430	6,350	9,410	1,690	5,410	4,450	460	6,950
12	4,030	4,320	7,280	1,700	7,440	7,570	6,920	1,630	5,280	4,470	3,610	6,850
13	1,810	6,350	6,200	427	6,430	14,500	4,480	6,470	5,230	3,080	5,110	7,420
14	1,610	6,640	5,060	5,210	5,800	25,600	3,560	7,480	4,070	1,070	5,390	7,040
15	4,640	6,580	1,190	7,320	7,210	19,400	8,820	8,620	3,720	2,380	5,370	6,770
16	8,000	6,850	297	6,880	13,400	10,100	8,440	6,000	2,900	3,930	4,950	7,070
17	8,560	2,680	4,850	6,640	9,730	5,570	7,590	5,690	4,820	5,000	4,500	6,200
18	8,040	510	6,540	6,750	8,860	7,820	6,820	2,800	6,090	4,610	328	5,090
19	8,090	4,710	6,790	4,100	9,380	8,930	5,870	2,880	5,490	3,930	3,830	4,950
20	4,000	6,340	6,130	765	7,990	9,010	3,820	5,830	5,680	1,900	4,340	4,950
21	520	6,130	5,740	5,440	7,870	8,020	2,330	7,670	4,960	535	5,070	5,490
22	4,740	5,960	2,000	7,240	5,280	6,820	7,440	10,100	4,240	3,320	5,200	6,410
23	5,850	5,560	346	6,330	2,880	1,630	10,200	8,090	2,440	4,430	4,210	6,430
24	5,820	1,580	1,490	6,920	5,290	2,190	12,100	7,240	4,900	4,560	3,310	7,290
25	6,000	392	714	10,800	8,510	6,010	8,730	4,290	5,990	4,460	466	7,290
26	6,450	4,510	6,780	8,750	8,950	8,130	5,560	1,820	6,210	4,400	3,430	7,240
27	2,650	6,300	8,010	6,040	7,800	15,400	6,300	4,740	6,020	2,640	4,850	7,250
28	550	7,010	8,090	7,570	11,600	15,800	3,730	4,620	6,050	412	5,510	6,800
29	4,730	8,800	4,240	7,780	-	11,000	7,550	5,020	5,320	3,450	5,000	5,580
30	6,340	8,260	599	8,220	-	7,730	8,480	5,140	2,400	4,810	5,230	5,510
31	6,560	-	5,450	7,350	-	8,140	-	4,100	-	5,670	4,370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	145,189	8,560	489	4,684	0.935	1.08
November	147,062	8,800	392	4,902	.978	1.09
December	143,560	8,110	297	4,631	.924	1.07
Calendar year 1934	1,611,317	19,100	264	4,415	.881	11.97
January	177,809	10,800	397	5,736	1.14	1.31
February	184,612	13,400	434	6,593	1.32	1.38
March	261,862	25,600	712	8,447	1.69	1.95
April	254,760	15,200	2,330	8,492	1.70	1.90
May	172,990	10,100	1,630	5,580	1.11	1.28
June	134,230	6,210	1,180	4,474	.893	1.00
July	106,805	5,670	412	3,445	.688	.79
August	126,164	5,720	460	4,070	.812	.94
September	176,920	7,420	2,450	5,897	1.18	1.32
Water year 1934-35	2,031,963	25,600	297	5,567	1.11	15.11

Santee River at Ferguson, S. C.

Location.- Water-stage recorder, lat. 33°26'15", long. 80°16'20", at Ferguson, Orangeburg County, 4 miles downstream from mouth of Eutaw Creek. Zero of gage is 42.81 feet above mean sea level (revised 1935).

Drainage area.- 14,800 square miles.

Records available.- December 1907 to September 1935.

Average discharge.- 27 years, (1908-35) 18,630 second-feet.

Extremes.- Maximum discharge during year, 47,000 second-feet Oct. 17 (gage height, 13.81 feet); minimum, 4,650 second-feet Nov. 27 (gage height, 2.74 feet).
1907-35: Maximum discharge, 368,000 second-feet July 22, 1916 (gage height, 24.5 feet); minimum, 2,570 second-feet Sept. 2, 1925 (gage height, -0.75 foot). Minimum stage caused by regulation of storage reservoirs upstream.

Remarks.- Records good. No daily fluctuation but very distinct weekly fluctuations during medium and low-water periods caused by power plants at Camden Reservoir, on Wateree River (capacity, about 7,000,000,000 cubic feet), and Lake Murray, on Saluda River (capacity, about 92,000,000,000 cubic feet). Gage-height record collected in cooperation with the U. S. Weather Bureau.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

3.0	4,920	7.0	9,740	11.0	16,720
4.0	5,960	8.0	11,180	12.0	20,030
5.0	7,140	9.0	12,740	13.0	27,250
6.0	8,400	10.0	14,520	14.0	53,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13,600	15,600	15,300	10,000	17,200	18,100	17,800	16,500	13,800	10,600	11,600	19,600
2	9,180	17,000	17,200	11,900	16,700	18,800	17,800	17,200	12,700	8,270	11,500	20,000
3	9,740	17,200	18,500	15,800	16,000	18,800	19,200	17,500	10,400	8,660	10,700	19,600
4	13,600	17,000	19,200	17,800	12,600	16,700	22,000	17,200	8,140	10,200	10,000	18,200
5	15,600	15,400	19,600	18,800	9,600	14,500	25,300	16,200	11,300	10,000	9,460	20,000
6	16,700	9,600	19,600	19,200	11,200	15,600	26,000	13,100	14,900	10,300	8,780	22,000
7	16,700	11,800	18,800	16,500	13,200	16,700	28,800	10,700	16,000	10,900	8,920	23,300
8	13,800	14,700	18,500	12,900	13,800	17,200	30,500	13,400	15,800	9,600	9,600	24,100
9	9,880	15,300	17,500	13,800	13,800	17,200	30,500	14,700	14,300	8,790	10,300	26,000
10	12,700	15,600	14,700	15,600	13,400	17,000	32,500	15,100	11,600	9,460	10,400	28,800
11	15,800	15,300	10,400	17,200	10,300	14,000	32,500	15,100	8,920	11,800	10,400	30,500
12	17,500	12,300	11,500	18,800	7,020	11,500	35,000	14,300	10,200	12,900	9,180	30,500
13	18,800	7,880	14,100	20,500	10,200	14,000	32,500	11,500	13,100	13,800	7,880	32,500
14	20,000	9,460	14,900	21,400	13,100	17,000	30,500	8,660	14,300	13,400	7,260	32,500
15	23,300	13,400	15,100	21,400	14,100	19,200	27,200	11,600	14,300	13,800	9,740	32,500
16	38,000	14,700	14,300	20,900	15,600	21,400	22,600	14,100	13,100	13,200	10,600	32,500
17	47,000	15,100	10,600	20,500	18,100	24,100	20,900	15,300	11,000	11,900	10,400	30,500
18	44,000	14,500	6,300	19,600	19,600	28,800	20,000	16,200	9,600	12,600	9,880	28,800
19	41,000	11,200	8,270	18,800	21,400	35,000	19,200	16,000	11,800	13,200	9,460	27,200
20	38,000	7,140	12,700	17,500	24,100	35,000	18,500	14,300	14,000	13,200	10,000	26,000
21	32,500	8,140	14,300	14,500	26,000	35,000	17,200	11,500	14,300	12,700	14,000	24,100
22	27,200	11,600	15,100	11,500	26,000	32,500	14,100	12,900	14,300	11,500	16,500	22,000
23	20,900	12,600	14,900	12,900	26,000	30,500	11,200	15,300	13,800	10,900	17,500	20,000
24	18,500	12,700	11,300	14,500	23,300	28,800	15,100	16,700	11,000	11,800	18,100	17,500
25	18,800	12,400	8,400	14,900	18,500	22,600	17,800	17,800	8,790	12,900	17,800	17,800
26	18,500	8,920	7,380	16,500	16,200	18,100	18,800	17,500	10,400	13,800	16,200	18,500
27	18,500	5,320	7,140	18,100	16,700	17,800	19,200	14,900	12,100	13,600	13,400	18,800
28	17,800	7,880	9,880	18,500	17,200	18,100	19,200	11,200	12,900	12,900	14,500	19,200
29	14,000	12,100	13,100	17,800	-	18,500	17,200	12,300	12,900	11,600	16,500	19,200
30	9,460	14,100	14,100	17,800	-	18,500	15,800	14,000	12,400	11,500	17,800	18,500
31	12,300	-	12,600	17,500	-	18,800	-	14,000	-	11,200	18,800	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	643,360	47,000	9,180	20,750	1.40	1.61
November	373,940	17,200	5,320	12,460	.842	.94
December	425,270	19,600	6,300	13,720	.927	1.07
Calendar year 1934	5,393,120	47,000	5,320	14,780	.999	13.55
January	523,400	21,400	10,000	16,880	1.14	1.31
February	460,920	26,000	7,020	16,460	1.11	1.16
March	649,800	35,000	11,500	20,960	1.42	1.64
April	672,900	35,000	11,200	22,430	1.52	1.70
May	446,760	17,800	8,660	14,410	.974	1.12
June	372,150	15,800	8,140	12,400	.838	.94
July	360,980	13,800	8,270	11,640	.786	.91
August	377,170	18,800	7,260	12,170	.822	.95
September	721,700	32,500	17,500	24,060	1.63	1.82
Water year 1934-35	6,028,350	47,000	5,320	16,520	1.12	15.17

Linville River at Branch, N. C.

Location.- Staff gage, lat. 35°47'50", long. 82°53'20", at steel highway bridge 800 feet from Branch post office, Burke County, and a quarter of a mile above Lake James.

Drainage area.- 65 square miles.

Records available.- June 1922 to September 1935.

Average discharge.- 13 years, 135 second-feet.

Extremes.- Maximum discharge during year, 7,080 second-feet Jan. 9 (gage height, 7.90 feet, from graph based on gage readings); minimum observed, 42 second-feet July 12 (gage height, 1.76 feet).

1922-35: Maximum discharge (estimated), 16,800 second-feet Aug. 15, 1928 (gage height, about 12.0 feet, from flood marks); minimum observed, 7 second-feet Sept. 8, 1925 (gage height, 1.28 feet).

Remarks.- Records good. For days of rapidly changing stage the discharge has been computed from graphs based on gage readings.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.7	34	2.2	139	3.0	535	4.5	1,920
1.8	48	2.4	213	3.3	745	5.0	2,490
1.9	66	2.6	307	3.6	1,000	5.5	3,120
2.0	87	2.8	417	4.0	1,390	6.0	3,800

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	116	79	1,140	292	127	103	277	124	68	47	76	87
2	98	81	535	209	124	101	239	113	62	47	70	85
3	85	79	417	182	113	108	217	110	72	45	68	83
4	76	194	361	156	113	103	213	105	68	53	66	124
5	81	160	174	136	108	108	197	98	68	57	64	1,320
6	795	124	205	146	98	124	190	103	64	61	61	1,100
7	334	92	182	248	98	194	226	105	61	89	53	568
8	201	83	150	287	96	146	213	101	61	64	59	350
9	142	79	150	3,280	101	124	209	96	124	52	68	267
10	194	66	139	825	110	119	182	89	85	47	64	282
11	356	83	133	505	108	136	174	89	66	45	64	277
12	231	74	127	361	101	356	182	87	62	44	61	182
13	164	70	108	307	136	670	156	85	59	96	64	133
14	136	68	105	277	361	329	139	85	55	87	70	124
15	124	66	101	222	323	262	136	87	52	74	61	124
16	113	68	87	329	222	222	124	89	50	59	55	113
17	103	66	101	209	197	194	113	94	53	66	70	105
18	96	68	110	153	170	170	108	85	57	174	156	98
19	98	62	119	142	156	167	110	83	61	164	475	89
20	87	62	113	150	139	257	127	76	57	119	475	87
21	83	64	105	164	136	361	446	87	64	108	244	85
22	81	66	101	205	130	302	329	81	66	194	446	72
23	76	998	89	505	116	262	244	81	52	190	361	66
24	68	535	87	282	105	209	213	110	48	146	339	66
25	66	389	89	222	110	270	201	146	52	124	277	68
26	64	197	92	209	136	1,290	178	119	48	174	201	68
27	62	124	89	186	136	535	156	108	47	209	170	61
28	66	136	98	170	113	389	139	94	47	209	160	61
29	64	745	136	156	-	334	136	87	50	167	130	57
30	61	1,390	105	136	-	253	133	83	50	108	105	55
31	62	-	133	130	-	253	-	76	-	94	92	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,383	795	61	141	2.17	2.50
November	6,368	1,390	62	212	3.26	3.64
December	5,681	1,140	87	183	2.82	3.25
Calendar year 1934	52,574	1,390	33	144	2.22	30.04
January	10,781	3,280	130	348	5.35	6.17
February	3,983	361	96	142	2.18	2.27
March	8,451	1,290	101	273	4.20	4.84
April	5,707	446	108	190	2.92	3.26
May	2,978	146	76	96.0	1.48	1.71
June	1,829	124	47	61.0	.938	1.05
July	3,213	209	44	104	1.60	1.84
August	4,725	475	53	152	2.34	2.70
September	6,257	1,320	55	209	3.22	3.59
Water year 1934-35	64,354	3,280	44	176	2.71	36.82

Little Sugar Creek near Charlotte, N. C.

Location.- Water-stage recorder, lat. 35°9'15", long. 80°51'10", just above sewage-disposal plant of city of Charlotte, a quarter of a mile below the mouth of Brier Creek, and 5 miles south of Charlotte, Mecklenburg County. Zero of gage is 571.6 feet above mean sea level.

Drainage area.- 41.4 square miles.

Records available.- July 1924 to September 1935.

Average discharge.- 11 years, 43.2 second-feet.

Extremes.- Maximum discharge during year, 3,300 second-feet July 13 (gage height, 10.62 feet); minimum, 6.3 second-feet Aug. 28 (gage height, 1.67 feet).
1924-35: Maximum discharge, about 7,030 second-feet Aug. 16, 1928 (gage height, 14.97 feet); minimum, 1.6 second-feet July 30, Aug. 1, 1925.

Remarks.- Records good except those estimated on basis of fragmentary gage-height record and study of precipitation records, which are fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.6	3.6	2.2	58	3.3	308	5.5	760
1.7	7.4	2.4	96	3.6	356	6.0	900
1.8	12.5	2.6	148	4.0	426	7.0	1,255
1.9	19.5	2.8	208	4.5	528	8.0	1,720
2.0	29	3.0	254	5.0	638	10.0	2,890

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.0	131	159	323	18	26	474	25	*12	7.0	12	8.9
2	7.0	20	30	55	17	24	97	22	*12	24	11	8.9
3	7.0	17	25	42	17	23	71	22	20	27	11	8.4
4	7.0	20	23	33	17	23	52	22	36	61	12	34
5	7.0	15	20	27	17	30	52	20	19	56	10	302
6	40	14	17	25	*17	45	198	22	15	23	9.4	*53
7	13	13	16	25	*17	47	112	90	14	18	36	*25
8	10	12	15	25	*17	29	127	57	13	11	24	*20
9	9.4	11	15	114	*17	26	67	24	12	70	11	*112
10	457	20	15	45	28	28	48	44	11	32	10	*760
11	174	*16	15	30	20	28	45	29	11	14	84	*66
12	38	*14	14	24	20	636	42	19	11	12	11	50
13	20	*12	15	23	121	173	*50	23	12	391	10	26
14	16	*11	15	23	240	63	37	35	11	117	9.4	20
15	15	*10	14	22	100	48	29	52	11	20	9.4	17
16	15	*10	14	21	146	36	28	125	10	19	8.4	15
17	15	*10	15	21	148	33	25	41	10	18	8.9	15
18	15	*10	15	22	60	28	25	24	11	*350	8.9	14
19	15	10	125	20	45	27	24	19	11	91	8.4	13
20	15	10	41	21	37	40	23	173	10	23	10	12
21	12	10	26	21	30	34	77	236	8.4	20	33	11
22	10	10	27	50	26	28	49	45	8.9	21	11	11
23	10	62	21	128	24	23	29	29	7.9	13	9.4	15
24	10	20	20	37	21	26	25	23	8.4	14	8.9	11
25	10	13	20	26	21	445	23	21	8.9	12	7.9	10
26	10	12	88	25	90	517	22	20	8.4	93	7.0	10
27	9.4	12	37	23	63	69	21	*19	8.4	92	6.6	11
28	9.4	27	26	19	29	56	61	*17	8.4	17	8.4	10
29	8.9	120	25	20	-	39	42	*15	7.4	15	22	10
30	9.4	33	27	20	-	33	30	*14	7.0	14	12	9.4
31	10	-	116	20	-	154	-	*13	-	12	9.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,011.5	457	7	32.6	0.787	0.91
November	705	131	10	23.5	.568	.63
December	1,051	159	14	33.9	.819	.94
Calendar year 1934	13,965.7	1,080	6.3	38.3	.925	12.56
January	1,330	323	19	42.9	1.04	1.20
February	1,423	240	17	50.8	1.23	1.28
March	2,837	636	23	91.5	2.21	2.55
April	2,005	474	21	66.8	1.61	1.80
May	1,340	236	*13	43.2	1.04	1.20
June	354.1	36	7	11.8	.285	.32
July	1,707.0	391	7	55.1	1.33	1.53
August	450.4	84	6.6	14.5	.350	.40
September	1,688.6	760	8.4	56.3	1.36	1.52
Water year 1934-35	15,902.6	760	6.6	43.6	1.05	14.28

*Estimated.

Broad River near Chimney Rock, N. C.

Location.- Water-stage recorder, lat. 35°25'35", long. 82°10'45", 1,000 feet below Lake Lure Dam and 3 miles east of Chimney Rock, Rutherford County.

Drainage area.- 97 square miles.

Records available.- March 1927 to September 1935; May 1907 to June 1909 at Uree, 1-1/8 miles downstream.

Extremes.- Maximum discharge during year, 3,060 second-feet Jan. 9 (gage height, 4.70 feet); minimum, 2.4 second-feet Aug. 30 (gage height, 0.45 foot); minimum mean daily discharge, 2.8 second-feet Sept. 29.
1907-9, 1927-35: Maximum discharge (estimated), 20,500 second-feet Aug. 15, 1928 (gage height, 15.0 feet); minimum, 0.7 second-foot Sept. 13, 1928 (gage height, 0.26 foot); minimum mean daily discharge, 0.8 second-foot Sept. 13, 14, 1928.

Remarks.- Records good. Estimates based on fragmentary gage-height record and operation records of power plant upstream. Large diurnal fluctuation caused by operation of power plant at dam. Low flow regulated considerably by storage in Lake Lure.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Jan. 9

0.8	24	2.0	452				
1.0	54	2.3	666				
1.2	97	2.6	900				
1.4	158	3.0	1,250				
1.6	238	3.5	1,740				
1.8	334						

Table for Jan. 9 to Sept. 30

0.4	1.5	2.0	450				
.6	6.8	2.5	765				
.8	22	3.0	1,165				
1.0	54	3.5	1,670				
1.3	135	4.0	2,220				
1.6	250	4.5	2,820				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	226	219	626	205	168	*224	238	271	74	78	*80	82
2	74	141	407	212	226	*120	238	132	151	77	*155	160
3	150	46	303	148	*160	86	155	238	151	76	*85	193
4	72	124	321	230	*264	208	157	159	155	161	*80	144
5	112	269	146	111	*142	150	230	83	169	206	*85	544
6	485	71	234	113	*144	226	179	237	111	150	*80	593
7	391	70	222	343	*144	221	162	241	111	80	*85	410
8	147	145	264	662	*145	154	281	236	134	*150	*150	166
9	224	73	128	1,450	168	149	157	158	85	*155	*155	276
10	388	149	222	853	152	114	195	160	158	*80	*80	158
11	421	80	144	604	*184	173	153	158	26	*80	*80	236
12	268	75	119	510	*144	379	231	82	76	*155	79	160
13	157	150	100	254	248	270	168	240	157	*80	78	177
14	113	74	150	*314	296	259	126	158	83	*160	62	162
15	222	75	151	272	332	310	158	156	151	*170	82	83
16	71	76	75	224	267	226	156	200	4.7	*80	82	164
17	217	150	234	260	152	147	162	198	156	*160	115	160
18	141	68	76	*308	253	278	158	158	78	*400	79	159
19	69	72	148	238	*139	153	158	142	80	*700	387	160
20	141	72	155	156	*144	231	159	197	79	*600	753	84
21	71	75	243	197	*221	156	437	198	142	*400	603	160
22	136	147	93	333	*246	230	636	162	76	*210	448	83
23	143	350	136	313	*156	152	455	162	4.4	*205	178	160
24	72	272	97	*300	*75	80	291	177	156	*190	430	73
25	140	155	139	304	237	231	266	154	33	*145	251	156
26	70	125	78	156	164	231	295	142	143	*155	239	81
27	73	143	157	152	*226	218	188	158	3.1	*155	161	82
28	69	287	156	274	*154	158	134	158	156	*80	160	153
29	72	281	141	137	-	157	240	147	75	*155	163	2.8
30	143	402	97	242	-	179	165	73	3.1	*155	121	155
31	31	-	309	146	-	136	-	161	-	*80	162	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,109	485	31	165	1.70	1.96
November	4,436	402	46	148	1.53	1.71
December	5,870	626	75	189	1.95	2.25
Calendar year 1934	53,793.8	816	2.0	147	1.52	20.62
January	9,921	1,450	111	320	3.30	3.80
February	5,351	332	75	191	1.97	2.05
March	6,006	379	80	194	2.00	2.31
April	6,728	638	126	224	2.31	2.58
May	5,296	271	73	171	1.76	2.03
June	2,981.3	169	3.1	99.4	1.02	1.14
July	5,728	700	76	185	1.91	2.20
August	5,748	753	62	185	1.91	2.20
September	5,376.8	593	2.8	179	1.85	2.06
Water year 1934-35	68,551.1	1,450	2.8	188	1.94	26.29

*Estimated.

Broad River near Boiling Springs, N. C.

Location.- Water-stage recorder, lat. 35°12'35", long. 81°41'35", half a mile above mouth of Sandy Run Creek and 3½ miles southwest of Boiling Springs, Cleveland County.

Drainage area.- 815 square miles.

Records available.- June 1925 to September 1935.

Average discharge.- 10 years, 1,351 second-feet.

Extremes.- Maximum discharge during year, 14,300 second-feet Jan. 10 (gage height, 10.33 feet); minimum, 336 second-feet Sept. 30 (gage height, 1.67 feet); minimum mean daily discharge, 404 second-feet Sept. 30.
1925-35: Maximum discharge, 56,800 second-feet Aug. 16, 1928 (gage height, 24.3 feet, present datum); minimum, 186 second-feet Sept. 21, 22, 1925; minimum mean daily discharge, 232 second-feet Sept. 20, 1925.

Remarks.- Records good. Considerable diurnal fluctuation caused by power operations.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Aug. 24						Table for Aug. 25 to Sept. 30			
1.6	460	2.6	1,300	6.0	5,700	1.6	280	2.6	1,210
1.8	600	3.0	1,700	7.0	7,350	1.8	440	3.0	1,640
2.0	750	4.0	2,820	8.0	9,200	2.0	615	4.0	2,820
2.3	1,010	5.0	4,150	9.0	11,300	2.3	905	5.0	4,150

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,070	1,310	3,550	2,860	1,570	1,440	1,350	1,550	1,200	544	1,060	791
2	1,300	1,190	2,780	2,240	1,410	1,360	2,000	1,420	844	804	940	624
3	1,190	1,050	1,750	1,710	1,160	996	1,860	1,240	1,200	1,420	976	920
4	990	940	2,200	1,530	1,070	972	1,530	1,370	1,480	1,100	706	1,220
5	936	1,360	2,020	1,530	1,700	1,320	1,470	1,120	1,420	872	719	2,000
6	3,090	1,450	1,670	1,140	1,580	1,410	1,760	1,050	1,210	1,140	904	2,650
7	4,130	1,040	1,480	1,180	1,540	1,690	1,460	1,700	1,110	987	922	1,990
8	1,900	1,050	1,780	2,050	1,510	1,670	1,490	1,440	831	972	1,050	1,240
9	1,570	1,080	1,130	9,440	1,310	1,580	1,940	1,570	790	1,160	1,050	876
10	6,030	1,040	1,030	9,160	1,170	1,080	1,570	1,350	810	1,090	1,030	1,340
11	8,970	812	1,320	4,120	1,110	1,130	1,550	1,580	1,270	944	844	1,380
12	3,890	781	1,270	2,930	1,530	3,270	1,500	1,030	1,020	1,000	716	1,200
13	2,500	854	1,210	2,500	1,420	5,670	1,530	1,100	991	1,090	850	1,220
14	1,630	944	1,180	2,120	3,300	3,300	1,370	1,620	1,080	907	831	1,040
15	1,270	852	1,190	2,550	3,130	2,490	1,120	1,590	960	2,570	828	683
16	1,670	820	944	2,230	2,290	2,190	1,500	1,490	797	1,800	878	624
17	1,240	802	888	2,080	1,740	1,590	1,300	1,480	708	1,110	597	910
18	1,380	703	1,400	2,010	1,430	1,430	1,330	1,110	1,030	1,720	1,030	904
19	1,270	717	1,330	1,990	1,830	2,000	1,220	1,260	1,160	2,460	969	1,020
20	1,340	820	1,790	1,320	1,660	1,600	1,280	1,550	969	3,310	2,100	852
21	972	865	1,670	1,300	1,630	1,590	2,260	2,090	888	2,120	2,400	690
22	770	884	1,280	2,430	1,580	1,490	3,540	1,480	986	2,960	2,030	550
23	1,060	1,080	929	6,080	1,560	1,540	2,800	1,300	712	2,260	1,640	522
24	1,090	1,560	920	3,080	1,060	1,410	2,210	1,270	654	1,480	3,790	820
25	1,020	1,030	857	2,550	999	1,140	1,930	1,390	944	1,220	2,390	762
26	1,050	919	938	2,320	1,580	1,860	1,860	1,000	966	1,900	1,630	850
27	940	999	1,090	1,590	1,410	1,780	1,600	1,070	1,020	2,600	1,470	877
28	703	1,430	1,210	1,720	1,540	1,560	1,160	1,490	846	1,160	1,330	718
29	723	3,530	1,300	1,980	-	1,500	1,120	1,210	672	934	1,410	640
30	1,100	2,390	1,050	1,800	-	1,360	1,610	1,220	607	1,360	1,380	404
31	1,270	-	1,100	1,730	-	1,280	-	1,110	-	1,360	1,020	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	58,064	8,970	703	1,873	2.30	2.65
November	34,302	3,530	703	1,143	1.40	1.56
December	44,256	3,550	857	1,428	1.75	2.02
Calendar year 1934	515,836	9,220	530	1,413	1.73	23.57
January	83,070	9,440	1,140	2,680	3.29	3.79
February	44,839	3,300	999	1,601	1.96	2.04
March	54,698	5,670	972	1,764	2.16	2.49
April	50,220	3,540	1,120	1,674	2.05	2.29
May	42,250	2,090	1,000	1,363	1.67	1.92
June	29,155	1,480	607	972	1.19	1.33
July	46,354	3,310	544	1,495	1.83	2.11
August	39,490	3,790	597	1,274	1.56	1.80
September	30,317	2,650	404	1,011	1.24	1.38
Water year 1934-35	557,015	9,440	404	1,526	1.87	25.38

Broad River at Richtex, S. C.

Location.- Water-stage recorder, lat. 34°11', long. 81°12', 1 mile upstream from mouth of Little River at Richtex, Fairfield County. Zero of gage is 184.98 feet above mean sea level.

Drainage area.- 4,800 square miles.

Records available.- November 1925 to September 1935.

Extremes.- Maximum discharge during year, 84,600 second-feet Oct. 12 (gage height, 17.86 feet); minimum, about 143 second-feet June 30 (gage height, 0.28 foot); minimum daily discharge, 690 second-feet June 30.
1925-35: Maximum discharge (estimated), 228,000 second-feet Oct. 3, 1929 (gage height, 30.7 feet); minimum, about 113 second-feet Sept. 21, 1931 (gage height, 0.23 foot); minimum daily discharge, 250 second-feet June 5, 1932.

Remarks.- Records good. Estimated discharges obtained from partial gage height and comparison with records of Parr Shoals power plant. Diurnal fluctuation caused by operation of Parr Shoals hydroelectric plant 11 miles upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.8	615	4.5	10,400	8.5	25,750	12.5	45,000
1.0	895	5.0	12,200	9.0	27,800	13.0	48,000
1.3	1,405	5.5	14,100	9.5	29,900	13.5	51,250
1.6	2,000	6.0	16,000	10.0	32,100	14.0	54,500
2.0	2,900	6.5	17,900	10.5	34,400	14.5	58,000
2.5	4,220	7.0	19,800	11.0	36,800	15.0	61,500
3.0	5,650	7.5	21,750	11.5	39,300	16.0	69,000
3.5	7,100	8.0	23,750	12.0	42,000	17.0	77,000
4.0	8,680						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,240	3,370	12,600	11,100	5,140	5,970	6,640	5,960	4,260	1,080	2,820	4,620
2	3,400	5,750	13,900	17,900	2,090	3,240	*10,200	5,260	1,330	2,300	2,340	3,280
3	3,320	3,280	9,380	11,700	3,880	4,530	*7,960	4,710	4,640	2,260	2,760	2,780
4	3,180	3,400	6,960	7,740	5,660	5,670	10,700	1,900	7,130	4,680	2,310	4,160
5	3,800	4,480	5,980	5,200	4,980	5,060	10,400	2,870	7,280	4,970	1,620	11,900
6	3,140	4,080	5,620	5,240	4,380	5,220	12,700	5,820	5,690	2,680	2,120	18,100
7	1,590	3,480	5,710	6,490	4,320	5,020	16,900	4,260	4,780	4,840	2,100	10,900
8	9,770	3,780	3,710	5,610	4,260	5,510	14,100	4,640	4,100	2,150	3,720	6,010
9	6,840	3,930	2,460	9,300	2,040	3,940	10,700	5,100	1,720	3,070	4,670	4,780
10	10,500	2,800	4,700	19,700	2,960	4,920	8,300	5,390	2,070	4,580	3,820	7,860
11	57,300	1,470	4,540	19,800	5,650	6,250	7,140	4,320	3,260	5,100	3,750	15,300
12	74,600	2,480	4,180	10,500	4,460	6,270	6,430	2,610	3,160	2,900	2,970	9,240
13	28,300	3,280	4,200	8,300	4,780	22,900	4,410	5,600	3,160	4,730	4,170	6,750
14	9,990	3,040	4,100	8,370	7,140	26,900	4,340	4,260	3,050	4,540	3,570	5,580
15	7,140	2,960	2,220	6,960	19,500	15,600	5,500	4,620	2,240	4,690	2,080	2,980
16	5,600	2,520	1,380	6,360	18,200	8,500	5,080	6,190	1,720	4,560	2,060	4,380
17	5,390	2,620	2,760	6,230	12,700	7,320	5,100	6,670	2,290	4,760	2,660	3,520
18	5,100	1,660	4,180	5,670	11,600	7,640	5,090	5,120	3,070	5,210	2,980	2,560
19	4,320	2,380	4,680	2,920	8,930	6,800	4,840	3,820	2,840	5,000	4,360	2,180
20	3,620	3,110	5,200	4,410	7,460	6,640	1,740	5,840	2,430	5,540	10,200	4,220
21	2,200	3,080	5,160	6,140	6,270	6,160	2,790	6,180	2,820	6,630	11,400	3,230
22	3,340	3,140	2,160	5,320	6,040	5,680	9,070	7,460	1,760	8,320	8,480	2,540
23	4,280	3,630	4,480	5,120	3,880	3,420	11,500	6,700	1,480	7,430	6,320	1,780
24	3,450	1,120	3,780	9,930	4,760	3,980	8,840	5,560	2,500	8,320	4,860	2,040
25	3,450	1,790	3,020	10,500	6,190	5,870	7,120	3,840	2,460	6,960	4,880	2,150
26	3,700	3,880	5,230	6,960	5,380	4,970	6,220	1,230	2,560	5,750	9,090	2,130
27	2,980	3,370	5,090	*7,180	6,900	5,210	4,010	4,010	2,550	4,760	9,520	2,150
28	1,570	3,760	5,960	*7,620	7,120	5,650	4,780	4,120	2,720	9,860	7,480	2,150
29	1,760	5,000	3,240	*5,940	-	5,780	6,640	3,270	1,070	6,980	10,400	2,100
30	3,140	9,380	4,240	5,400	-	3,000	5,980	3,580	690	4,760	11,700	2,080
31	*2,980	-	6,100	5,120	-	*4,280	-	3,500	-	4,100	7,420	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	281,990	74,600	1,570	9,096	1.90	2.19
November	102,040	9,380	1,120	3,401	.709	.79
December	156,820	13,900	1,380	5,059	1.05	1.21
Calendar year 1934	2,144,574	74,600	634	5,876	1.22	16.61
January	254,730	19,800	2,920	8,217	1.71	1.97
February	186,670	19,500	2,040	6,667	1.39	1.45
March	217,900	26,900	3,000	7,029	1.46	1.68
April	225,220	16,900	1,740	7,507	1.56	1.74
May	144,410	7,460	1,230	4,658	.970	1.12
June	90,830	7,280	690	3,028	.631	.70
July	153,510	9,860	1,080	4,952	1.03	1.19
August	158,630	11,700	1,620	5,117	1.07	1.23
September	153,450	18,100	1,780	5,115	1.07	1.19
Water year 1934-35	2,126,200	74,600	690	5,825	1.21	16.46

*Estimated.

Second Broad River at Cliffside, N. C.

Location.- Water-stage recorder, lat. 35°14'15", long. 81°46'25", at Cliffside, Rutherford County, 2 miles above mouth. Prior to June 21, 1934, water-stage recorder at site across river at same datum.

Drainage area.- 230 square miles.

Records available.- June 1925 to September 1935.

Average discharge.- 10 years, 290 second-feet.

Extremes.- Maximum discharge during year, 4,300 second-feet Oct. 11 (gage height, 5.29 feet); minimum, 10 second-feet Sept. 27 (gage height, 0.41 foot); minimum mean daily discharge, 41 second-feet Sept. 28.
1925-35: Maximum discharge, 15,000 second-feet Aug. 16, 1928 (gage height, 17.26 feet); minimum, 8 second-feet July 26, 1934; minimum mean daily discharge, 11 second-feet Oct. 4, 1931.

Remarks.- Records good. Discharge estimated June 25, 26 on basis of fragmentary gage-height record. Large diurnal fluctuation caused by operation of Cliffside Mills, a quarter of a mile upstream.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1-11						Table for Oct. 12 to Sept. 30			
1.2	124	2.0	503	3.5	2,000	0.8	36	2.0	480
1.4	196	2.3	725	4.0	2,690	1.0	76	2.5	840
1.6	285	2.6	1,000	5.0	3,940	1.3	168	3.0	1,260
1.8	385	3.0	1,420			1.6	280	4.0	2,310

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	306	252	1,020	563	230	226	426	262	200	120	137	99
2	221	198	705	467	260	252	478	247	200	235	128	167
3	183	158	471	345	272	264	342	187	334	295	145	136
4	150	264	381	319	217	292	312	236	236	172	157	190
5	151	270	332	284	266	235	293	286	194	178	218	407
6	810	220	244	284	238	286	343	312	158	215	161	356
7	1,610	193	268	328	245	346	358	373	171	293	152	195
8	545	208	281	284	213	245	442	243	182	257	132	148
9	324	182	228	1,250	233	272	355	208	186	217	171	200
10	1,720	169	258	1,880	284	268	311	207	257	245	153	225
11	3,450	152	261	683	311	344	264	276	171	153	184	184
12	1,160	256	220	474	250	786	285	248	171	161	202	156
13	492	176	220	382	298	1,910	284	388	113	158	178	168
14	367	204	198	400	671	998	280	286	128	160	161	133
15	380	170	180	345	926	529	307	269	175	986	103	100
16	274	138	207	254	561	430	264	270	172	544	171	193
17	246	126	268	287	458	382	237	306	217	218	119	135
18	259	152	194	272	453	393	270	260	190	430	166	144
19	164	256	248	299	364	322	182	240	190	532	296	175
20	282	165	302	233	329	309	236	306	172	359	212	45
21	165	156	231	325	342	260	748	430	158	309	234	79
22	206	150	155	458	222	278	1,190	266	168	636	326	88
23	191	176	222	1,680	293	284	644	216	168	362	130	152
24	188	323	218	960	293	280	453	204	180	217	113	137
25	199	218	214	518	324	319	335	280	134	182	143	155
26	157	262	236	473	295	432	324	233	200	576	219	152
27	141	171	220	328	311	305	302	287	134	532	176	104
28	174	280	200	390	263	303	289	200	146	252	154	41
29	243	1,040	212	314	-	321	329	196	109	268	127	88
30	173	703	240	316	-	238	274	207	110	186	147	137
31	202	-	314	280	-	328	-	149	-	184	127	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	15,133	3,450	141	488	2.12	2.44
November	7,388	1,040	126	246	1.07	1.19
December	8,948	1,020	155	289	1.26	1.45
Calendar year 1934	117,691	3,450	75	322	1.40	19.07
January	15,675	1,880	233	506	2.20	2.54
February	9,420	926	213	336	1.46	1.52
March	12,435	1,910	226	401	1.74	2.01
April	11,137	1,190	162	371	1.61	1.80
May	8,078	430	149	261	1.13	1.30
June	5,324	334	109	177	.770	.86
July	9,632	986	120	311	1.35	1.56
August	5,242	326	103	169	.735	.85
September	4,687	407	41	156	.678	.76
Water year 1934-35	113,099	3,450	41	310	1.35	18.28

North Pacolet River at Fingerville, S. C.

Location.- Water-stage recorder, lat. 35°07', long. 81°59', about 400 feet downstream from mouth of Obed Creek at McMiller mill and 1 mile south of Fingerville, Spartanburg County. Zero of gage is 715.62 feet above mean sea level.

Drainage area.- 116 square miles.

Records available.- November 1929 to September 1935.

Extremes.- Maximum discharge during year, 1,760 second-feet July 19; maximum gage height, 9.77 feet Oct. 11; minimum discharge, 39 second-feet Aug. 17; minimum daily discharge, 59 second-feet Aug. 15.
1929-35: Maximum discharge (estimated), 6,820 second-feet Oct. 17, 1932 (gage height, 15.73 feet, former site and datum); minimum (estimated), 13 second-feet several times in October 1931; minimum daily discharge (estimated), 34 second-feet Oct. 1, 2, 1931.

Remarks.- Records good. Diurnal fluctuation caused by operation of mills upstream.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	114	181	568	497	174	167	209	123	116	99	88	126
2	110	161	294	325	161	161	199	123	130	97	83	121
3	104	129	242	250	148	143	187	109	363	172	81	111
4	96	171	266	209	161	140	167	105	241	154	81	141
5	100	151	242	194	155	144	187	119	180	147	72	288
6	566	115	188	174	155	187	248	120	154	167	66	289
7	654	109	178	241	149	230	197	202	148	154	67	188
8	320	107	159	297	148	174	233	132	131	119	177	155
9	223	102	148	838	151	154	209	122	123	110	101	143
10	744	102	142	940	161	155	194	133	118	101	84	191
11	1,280	118	129	427	161	190	167	142	116	101	80	209
12	749	99	114	329	144	552	194	114	121	167	75	180
13	346	98	130	250	219	887	174	114	115	96	72	150
14	214	94	126	228	558	474	148	130	154	141	69	131
15	191	91	118	209	585	306	166	175	126	320	59	128
16	186	90	123	202	380	267	157	231	126	109	72	122
17	174	100	120	187	306	209	154	202	124	103	60	120
18	162	110	113	180	256	194	148	154	120	197	119	121
19	158	100	195	167	233	187	138	119	154	802	265	118
20	138	104	181	187	225	187	156	157	119	730	640	114
21	132	104	145	187	202	180	444	272	105	359	699	109
22	129	103	140	363	180	176	534	187	99	663	293	101
23	120	183	132	789	167	167	295	167	99	412	197	104
24	122	196	126	457	161	156	225	144	95	225	520	103
25	120	140	124	338	155	174	202	145	93	145	686	102
26	113	118	135	241	183	167	174	131	91	111	278	99
27	110	114	128	225	193	161	153	129	87	179	209	97
28	106	216	142	209	167	174	138	123	e5	114	211	96
29	99	497	193	194	-	165	136	121	e5	103	219	95
30	103	361	166	187	-	159	133	119	118	97	167	88
31	104	-	188	180	-	188	-	120	-	90	133	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	7,909	1,280	98	255	2.20	2.54
November	4,364	497	90	145	1.25	1.40
December	5,415	568	113	175	1.51	1.74
Calendar year 1934	72,922	1,770	59	200	1.72	23.40
January	9,701	940	167	313	2.70	3.11
February	6,058	585	144	216	1.86	1.94
March	6,975	887	140	225	1.94	2.24
April	6,106	534	133	204	1.76	1.96
May	4,484	272	105	145	1.25	1.44
June	3,956	383	85	132	1.14	1.27
July	6,584	802	90	212	1.83	2.11
August	6,025	699	59	194	1.67	1.92
September	4,140	289	68	138	1.19	1.33
Water year 1934-35	71,717	1,280	59	196	1.69	23.00

Pacolet River near Fingerville, S. C.

Location.- Water-stage recorder, lat. 35°7', long. 81°58', 100 feet above new county highway bridge, a quarter of a mile downstream from confluence of North and South Pacolet Rivers, and 2⅔ miles southeast of Fingerville, Spartanburg County. Zero of gage is 706.39 feet above mean sea level.

Drainage area.- 212 square miles.

Records available.- November 1929 to September 1935.

Extremes.- Maximum discharge during year, 2,510 second-feet Oct. 11 (gage height, 4.76 feet); minimum, 77 second-feet May 4 and July 13, caused by shut-down of power plants; minimum daily discharge, 128 second-feet Aug. 11.

1929-35: Maximum discharge, 11,000 second-feet Oct. 17, 1932 (gage height 13.31 feet); minimum, about 28 second-feet Oct. 19, 1931; minimum daily discharge, 38 second-feet Oct. 4, 1931.

Remarks.- Records good. Diurnal fluctuation caused by operation of power plant on South Pacolet River and by mills on North Pacolet River. About 3,000,000 gallons a day diverted above station for Spartanburg water supply.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 24, June 3 to July 12, Sept. 6-30)

Table for Oct. 1 to Apr. 22, May 21 to Sept. 30				Table for Apr. 23 to May 20			
0.1	38	3.0	1,230	0.0	25	3.0	1,150
.3	63	4.0	1,850	.2	42	4.0	1,820
.5	92	6.0	3,450	.4	64	6.0	3,450
.8	150	8.0	5,410	.7	112	8.0	5,410
1.1	234	10.0	7,410	1.1	208	10.0	7,410
1.5	390	12.0	9,610	1.5	350	12.0	9,610
2.0	645	14.0	11,810	2.0	585	14.0	11,810

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	162	244	830	620	301	283	328	232	174	170	196	178
2	158	218	364	446	257	276	310	223	188	170	152	244
3	152	178	496	368	204	196	324	221	500	237	146	190
4	150	222	530	329	294	268	436	210	368	206	128	208
5	148	272	485	313	290	266	370	178	305	200	135	390
6	766	231	361	238	290	284	373	230	275	231	134	417
7	711	222	298	486	274	350	250	318	268	197	137	258
8	552	244	252	538	202	298	354	256	251	192	256	206
9	345	199	184	1,100	215	232	333	242	168	178	146	265
10	966	162	232	1,200	234	199	313	246	178	162	152	317
11	2,050	162	200	667	266	314	305	240	178	158	126	325
12	1,130	152	202	568	200	733	313	164	181	237	134	301
13	584	152	196	286	313	1,120	296	237	175	146	131	251
14	258	148	194	472	770	798	198	229	226	171	127	186
15	399	156	192	429	840	548	286	277	195	402	128	170
16	445	158	161	321	616	510	279	352	178	232	130	172
17	321	152	208	313	417	251	275	322	181	221	128	162
18	283	152	187	301	496	321	240	273	175	364	162	170
19	279	148	312	242	478	321	249	175	215	1,110	380	170
20	251	155	271	224	460	317	276	277	178	1,360	765	178
21	165	150	224	312	348	305	494	398	165	599	833	162
22	192	148	221	492	301	301	780	313	168	1,290	412	162
23	170	234	174	1,010	260	290	540	290	148	850	297	155
24	170	286	210	708	197	200	466	264	162	460	645	152
25	165	172	202	574	286	290	405	272	160	382	818	170
26	170	244	241	450	304	290	288	177	160	328	570	155
27	162	251	261	272	314	286	270	255	158	303	461	152
28	143	348	268	341	286	298	180	251	158	189	424	162
29	148	642	286	325	-	286	259	242	155	224	344	148
30	160	555	212	321	-	281	256	200	189	225	286	148
31	158	-	324	309	-	236	-	174	-	209	252	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	11,913	2,050	143	384	1.81	2.09
November	6,756	642	148	225	1.06	1.18
December	8,778	830	161	283	1.33	1.53
Calendar year 1934	120,444	3,280	122	330	1.66	21.12
January	14,575	1,200	224	470	2.22	2.56
February	9,713	840	197	347	1.64	1.71
March	10,968	1,120	196	354	1.67	1.92
April	10,046	780	180	335	1.58	1.76
May	7,738	398	164	250	1.18	1.36
June	6,179	500	148	206	.972	1.08
July	11,363	1,360	146	367	1.73	1.99
August	9,137	833	126	295	1.39	1.60
September	6,324	417	148	211	.995	1.11
Water year 1934-35	113,510	2,050	126	311	1.47	19.89

South Pacolet River Reservoir near Fingerville, S. C.

Location.- Water-stage recorder, lat. 35°07', long. 81°59', at highway bridge across South Pacolet River Reservoir, 1 mile upstream from dam and 1 3/4 miles south of Fingerville, Spartanburg County. Zero of gage is 760 feet above mean sea level.

Drainage area.- 92 square miles.

Records available.- March 1930 to September 1935.

Extremes.- Maximum gage height during year, 15.89 feet Oct. 11; minimum, 8.25 feet feet July 2.
1930-35: Maximum gage height, 17.09 feet Oct. 17, 1932; minimum, 2.76 feet Oct. 8, 1930.

Remarks.- Records good. City of Spartanburg diverts about 3,000,000 gallons daily for water supply from reservoir, also uses water for power purposes. Altitude of crest of concrete spillway is 772 feet with 3 feet of flashboards used to increase storage during periods of low flow. Capacity of reservoir, 117,500,000 cubic feet at gage height of 15 feet.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12.45	12.87	14.45	13.36	12.46	12.16	13.42	12.37	11.30	8.73	10.81	11.98
2	12.40	13.13	15.22	14.31	12.26	11.91	13.53	12.21	11.60	8.40	10.49	11.76
3	12.37	13.27	14.88	14.46	12.56	12.01	13.74	12.02	12.33	8.44	10.33	11.34
4	12.36	13.44	14.25	14.41	12.56	12.02	13.16	11.78	12.96	9.03	10.26	11.41
5	12.30	13.39	13.40	14.27	12.25	11.79	12.31	11.88	12.77	9.19	10.16	11.94
6	12.98	13.01	12.47	14.29	11.91	11.68	12.59	11.91	12.42	9.47	9.89	12.20
7	14.23	12.60	12.17	13.99	11.54	11.89	13.39	12.33	11.98	9.84	9.61	12.17
8	14.02	12.14	11.93	13.06	11.56	11.82	13.79	12.27	11.54	9.71	10.06	12.37
9	13.33	11.71	12.15	13.17	11.78	11.68	13.83	11.95	11.45	9.61	10.70	12.22
10	13.71	11.68	12.10	13.95	12.16	12.03	13.74	11.73	11.52	9.45	10.78	12.02
11	15.73	12.02	12.05	14.08	12.18	12.20	13.60	11.59	11.43	9.37	10.84	12.16
12	15.40	12.21	11.95	13.46	12.29	12.57	13.50	11.79	11.46	9.31	10.76	11.91
13	14.78	12.33	11.92	13.41	12.60	14.28	13.40	11.72	11.48	9.48	10.64	11.58
14	14.65	12.45	11.89	13.17	13.33	15.32	13.53	11.48	11.40	9.58	10.52	11.61
15	14.51	12.50	11.84	12.17	14.41	14.87	13.56	11.99	11.18	12.41	10.37	11.72
16	13.54	12.55	12.04	11.77	15.15	14.23	13.28	12.41	11.05	14.46	10.08	11.82
17	12.57	12.59	11.90	11.56	15.32	14.15	13.00	13.07	11.00	14.12	9.89	11.84
18	12.16	12.69	11.84	11.31	14.98	14.34	12.74	13.02	10.91	13.94	9.84	11.92
19	11.84	12.67	11.98	11.15	14.25	14.24	12.69	13.11	11.12	14.64	9.89	11.97
20	11.47	12.72	12.21	11.63	13.35	14.13	12.48	13.09	11.20	15.63	11.00	12.00
21	11.56	12.78	12.31	11.78	12.55	14.02	13.22	13.32	11.09	15.39	12.47	11.91
22	11.64	12.91	12.36	11.81	12.36	13.87	14.56	13.23	11.01	15.56	12.93	11.95
23	11.76	13.12	12.62	13.35	12.21	13.69	14.58	12.96	10.91	15.40	12.75	11.86
24	11.86	13.71	12.64	14.06	12.55	13.55	13.88	12.73	10.75	14.92	12.83	11.83
25	12.02	13.56	12.60	13.56	12.57	13.87	13.08	12.53	10.50	14.04	14.65	11.80
26	12.12	13.69	12.67	12.88	12.40	13.68	12.77	12.49	10.25	13.01	15.02	11.66
27	12.24	13.21	12.39	13.09	12.51	13.48	12.59	12.36	9.97	12.55	14.07	11.61
28	12.30	12.88	12.07	13.22	12.37	13.30	12.70	11.91	9.68	12.56	12.97	11.62
29	12.32	13.79	12.07	13.08	-	13.18	12.84	11.46	9.33	12.38	12.61	11.43
30	12.38	14.38	12.48	12.92	-	12.93	12.66	11.04	8.99	11.94	12.39	11.33
31	12.45	-	12.63	12.69	-	13.13	-	11.16	-	11.40	12.02	-

North Tiger River near Moore, S. C.

Location.- Water-stage recorder, lat. 34°48', long. 81°58', at Ott's Shoals, 1¼ miles upstream from mouth of Wards Creek, 2½ miles southeast of Moore, Spartanburg County, and 3 7/8 miles upstream from confluence of North and South Tiger Rivers. Zero of gage is 564.85 feet above mean sea level, unadjusted.

Drainage area.- 162 square miles.

Records available.- April 1934 to September 1935.

Extremes.- Maximum discharge during year, 2,010 second-feet Aug. 25 (gage height, 3.43 feet); minimum, 29 second-feet June 30 and Sept. 30; minimum daily discharge, 46 second-feet June 30.
1934-35: Maximum discharge, that of Aug. 25, 1935; minimum, that of June 30 and Sept. 30, 1935; minimum daily discharge, that of June 30, 1935.

Remarks.- Records excellent. Diurnal fluctuation caused by operation of power plants upstream.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	204	276	456	178	182	236	117	99	67	89	140
2	140	204	305	428	132	125	220	144	96	90	92	157
3	129	121	224	318	93	146	196	158	178	93	71	158
4	101	139	199	248	150	174	230	107	256	126	50	147
5	91	165	191	182	174	170	211	105	243	133	100	135
6	200	143	174	132	153	157	265	157	167	145	94	187
7	372	118	165	191	161	199	299	227	149	181	82	159
8	220	115	115	233	165	191	282	211	93	135	259	132
9	155	135	109	396	118	132	238	169	86	110	366	148
10	570	99	157	370	85	150	212	165	136	92	145	178
11	974	85	157	370	125	182	205	133	128	88	124	190
12	706	135	146	233	174	324	161	128	100	94	146	215
13	271	139	132	182	191	590	178	160	63	84	126	175
14	178	118	115	204	338	642	174	158	70	61	114	137
15	182	128	115	228	706	370	185	129	95	128	94	89
16	174	128	72	170	605	248	184	185	99	163	71	130
17	150	93	125	174	442	224	123	301	118	158	63	147
18	139	64	157	165	318	224	137	211	103	162	52	117
19	143	87	199	128	271	204	168	156	134	231	198	109
20	102	125	219	93	224	204	117	214	125	438	460	111
21	69	118	161	153	214	174	251	239	131	643	638	91
22	118	125	128	224	186	157	484	306	92	350	391	56
23	143	128	109	422	106	128	409	163	54	729	214	118
24	118	80	132	390	153	157	356	79	76	382	853	125
25	112	135	132	288	182	182	212	76	96	233	1,650	113
26	139	139	209	186	195	170	106	112	79	176	580	102
27	106	132	186	178	191	153	134	144	85	159	234	74
28	62	182	174	199	182	157	157	139	76	97	195	71
29	85	338	191	186	-	165	183	90	61	149	208	49
30	118	305	150	178	-	128	180	86	46	147	213	82
31	109	-	204	195	-	150	-	137	-	108	137	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	6,286	974	62	203	1.25	1.44
November	4,227	338	64	141	.870	.97
December	5,128	305	72	165	1.02	1.18
Calendar year						
January	7,500	456	93	242	1.49	1.72
February	6,212	706	85	222	1.37	1.43
March	6,559	642	125	212	1.31	1.51
April	6,493	484	106	216	1.33	1.48
May	4,906	306	76	158	.975	1.12
June	3,334	256	46	111	.686	.76
July	5,952	729	61	192	1.19	1.37
August	8,109	1,650	50	262	1.62	1.87
September	3,851	215	56	128	.790	.88
Water year 1934-35	68,557	1,650	46	188	1.16	15.73

Tiger River near Woodruff, S. C.

Location.- Water-stage recorder, lat. 34°45', long. 81°55', at Nesbitts Bridge, half a mile downstream from confluence of North and South Tiger Rivers and 6½ miles east of Woodruff, Spartanburg County. Zero of gage is 489.69 feet above mean sea level, from partly adjusted network of levels.

Drainage area.- 351 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year, 4,350 second-feet Aug. 25 (gage height, 5.99 feet); minimum, 77 second-feet Sept. 30 (gage height, 1.82 feet); minimum daily discharge, 99 second-feet Sept. 29.

1929-35: Maximum discharge, 7,840 second-feet Oct. 17, 1932 (gage height, 7.60 feet); minimum, 50 second-feet Sept. 19, 1932 (gage height, 1.63 feet); minimum daily discharge, 61 second-feet Sept. 19, 1932.

Maximum stage known, about 20.0 feet during flood of August 1928 (discharge not determined). Maximum stage during flood of September 1929, 14.65 feet (estimated discharge, 30,100 second-feet).

Remarks.- Records good. Diurnal fluctuation caused by operation of power plants upstream.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	182	369	614	1,070	353	386	455	359	238	160	232	263
2	260	353	460	810	310	367	476	340	211	235	234	242
3	251	310	353	606	184	285	588	383	336	490	205	286
4	226	216	414	498	273	310	548	265	447	381	103	293
5	201	226	390	429	353	336	453	220	546	243	139	322
6	470	273	404	270	310	400	652	305	511	316	238	484
7	615	244	376	344	331	440	521	432	298	360	215	424
8	378	240	302	496	371	349	482	445	222	243	488	250
9	335	233	230	1,060	318	367	640	389	187	218	582	246
10	1,910	240	258	710	206	302	620	426	228	192	345	394
11	1,950	129	310	802	226	340	396	296	242	219	218	430
12	1,150	220	240	675	371	938	467	254	213	212	273	479
13	524	281	247	358	455	1,420	340	284	206	233	297	380
14	330	258	231	362	692	1,140	327	304	235	166	272	291
15	316	270	273	486	1,470	810	327	366	200	213	243	199
16	353	255	142	414	1,260	614	331	404	206	322	225	211
17	328	237	206	367	802	419	368	564	212	383	187	301
18	296	140	316	367	569	390	434	375	211	486	141	286
19	304	151	419	336	569	434	349	295	240	502	534	258
20	282	255	450	196	476	386	285	513	312	790	926	250
21	190	220	400	281	471	400	509	577	252	1,870	1,120	211
22	210	233	344	434	419	409	760	622	220	886	840	104
23	298	270	233	362	340	362	862	354	157	1,380	597	160
24	257	251	262	717	302	302	773	305	156	796	1,510	281
25	209	174	213	575	322	314	577	213	196	591	2,980	249
26	274	213	400	386	404	340	341	233	160	608	1,030	246
27	241	336	460	316	450	371	276	258	174	510	548	200
28	138	381	395	310	336	381	306	266	168	177	629	143
29	132	689	424	371	-	390	338	229	165	226	602	99
30	256	563	310	386	-	298	342	216	140	280	460	127
31	228	-	386	358	-	302	-	340	-	240	297	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	13,094	1,950	132	422	1.20	1.38
November	8,230	689	129	274	.781	.87
December	10,514	614	142	339	.966	1.11
Calendar year 1934	162,260	3,280	90	445	1.27	17.16
January	15,638	1,070	196	504	1.44	1.66
February	13,143	1,470	184	469	1.34	1.40
March	14,302	1,420	285	461	1.31	1.51
April	14,163	862	276	472	1.34	1.50
May	10,634	622	213	349	.994	1.15
June	7,309	546	140	244	.695	.78
July	13,930	1,870	160	449	1.28	1.48
August	16,708	2,980	103	539	1.54	1.78
September	8,109	484	99	270	.769	.86
Water year 1934-35	145,974	2,980	99	400	1.14	15.48

South Tiger River near Reidville, S. C.

Location.- Water-stage recorder, lat. 34°52', long. 82°5', about a quarter of a mile upstream from county highway bridge, 1½ miles downstream from Berry Shoals, and 1¾ miles northeast of Reidville, Spartanburg County. Zero of gage is 626.05 feet above mean sea level, unadjusted.

Drainage area.- 106 square miles.

Records available.- April 1934 to September 1935.

Extremes.- Maximum discharge during year, 4,150 second-feet Aug. 24 (gage height, 11.05 feet); minimum, 8.5 second-feet Oct. 28, 29 (gage height, 0.70 foot), caused by shut-down of power plants upstream; minimum daily discharge, 8.5 second-feet Oct. 28. 1934-35: Maximum discharge, that of Aug. 24, 1935; minimum, that of Oct. 28, 29, 1934; minimum daily discharge, that of Oct. 28, 1934.

Remarks.- Record excellent. Large diurnal fluctuation caused by operation of power plants above station.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	97	111	166	222	126	151	76	159	66	63	109	36
2	97	138	61	197	15	97	255	158	72	67	114	60
3	101	66	115	173	41	72	252	93	73	68	13	86
4	85	12	180	178	123	76	127	66	81	63	10	112
5	76	97	188	81	83	144	113	71	349	66	112	128
6	117	81	178	36	101	169	84	71	202	70	109	247
7	79	101	108	188	134	106	77	173	68	63	99	131
8	125	84	78	183	115	102	173	163	66	61	136	63
9	136	87	47	180	51	115	329	145	63	59	202	114
10	339	14	123	222	14	76	215	120	66	82	48	150
11	400	46	57	382	126	78	138	71	66	86	65	158
12	250	111	43	207	130	266	126	68	75	64	148	214
13	75	99	119	47	147	456	75	69	137	64	122	120
14	61	108	117	169	272	331	72	137	83	61	118	73
15	113	89	23	176	414	283	72	140	65	68	115	44
16	108	94	11	164	248	188	127	161	62	177	119	116
17	101	43	121	126	78	72	162	120	63	244	51	128
18	104	18	110	173	200	101	195	71	65	166	32	112
19	121	94	144	27	212	97	71	68	127	211	252	114
20	75	63	136	13	136	104	72	100	103	1,150	332	84
21	58	63	176	149	173	151	92	271	69	562	406	13
22	111	86	78	132	157	144	209	193	63	588	363	11
23	87	142	74	227	97	89	331	119	62	350	342	120
24	52	14	37	202	76	69	295	117	63	334	1,610	98
25	97	12	11	173	78	78	259	71	63	338	281	109
26	89	169	188	63	155	142	79	68	63	288	246	109
27	45	66	134	38	104	155	69	68	62	36	249	45
28	8.5	123	147	87	102	160	68	67	62	10	266	18
29	97	117	78	164	-	97	72	74	62	99	212	14
30	78	232	18	119	-	72	143	151	62	85	92	97
31	57	-	166	91	-	70	-	89	-	108	75	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,439.5	400	8.5	111	1.05	1.21
November	2,580	232	12	86.0	.811	.90
December	3,232	188	11	104	.981	1.13
Calendar year						
January	4,589	382	13	148	1.40	1.61
February	3,708	414	14	132	1.25	1.30
March	4,311	456	69	139	1.31	1.51
April	4,428	331	68	148	1.40	1.56
May	3,502	271	66	113	1.07	1.23
June	2,583	349	62	86.1	.812	.91
July	5,751	1,150	10	186	1.75	2.02
August	6,448	1,610	10	208	1.96	2.26
September	2,944	247	11	98.1	.925	1.03
Water year 1934-35	47,515.5	1,610	8.5	130	1.23	16.67

South Tiger River near Woodruff, S. C.

Location.- Water-stage recorder, lat. 34°45', long. 81°56', at Chesnee Shoals, three-eighths of a mile upstream from confluence of North and South Tiger Rivers and 5¾ miles east of Woodruff, Spartanburg County. Zero of gage is 508.38 feet above mean sea level, unadjusted.

Drainage area.- 174 square miles.

Records available.- March 1934 to September 1935.

Extremes.- Maximum discharge during year, 2,260 second-feet Aug. 25 (gage height, 4.89 feet); minimum, 36 second-feet Sept. 30 (gage height, 1.62 feet); minimum daily discharge, 42 second-feet Aug. 4.
1934-35: Maximum discharge, that of Aug. 25, 1935; minimum, 33 second-feet July 23, 1934 (gage height, 1.58 feet); minimum daily discharge, 37 second-feet July 22, 1934.

Remarks.- Records excellent. Diurnal fluctuation caused by operation of power plants upstream.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	81	156	311	585	161	178	202	203	106	84	137	116
2	107	151	147	333	137	204	237	203	113	129	132	93
3	114	162	123	271	73	132	350	206	143	357	117	121
4	116	91	217	244	130	125	287	117	165	227	42	123
5	103	80	193	214	155	144	233	114	276	122	57	167
6	233	126	222	121	132	217	327	129	334	167	128	272
7	192	121	196	166	147	237	204	188	128	148	126	221
8	129	129	154	266	169	137	185	212	106	98	254	116
9	153	111	119	484	134	191	373	201	100	93	198	114
10	1,150	101	106	302	96	137	385	226	96	91	157	205
11	943	50	143	377	96	137	174	128	96	126	104	230
12	408	106	86	395	169	538	254	117	100	107	123	259
13	227	134	101	161	227	800	144	117	126	121	151	197
14	134	134	159	152	482	505	134	126	156	96	146	139
15	129	141	127	227	758	396	130	196	96	98	136	106
16	156	126	60	227	633	326	130	217	95	154	135	94
17	144	103	84	191	358	169	197	249	89	194	117	155
18	144	72	147	207	251	147	291	126	89	295	86	161
19	147	75	213	163	294	188	145	117	98	269	319	146
20	144	123	202	83	251	144	125	266	163	385	420	138
21	109	96	219	132	251	188	250	309	106	1,130	456	95
22	106	102	175	207	210	210	258	315	91	548	442	45
23	137	139	123	431	207	194	392	138	87	620	385	68
24	120	142	116	314	139	132	382	203	86	381	727	149
25	89	50	65	280	134	130	346	121	86	357	1,190	128
26	128	84	195	175	188	150	216	113	86	442	320	136
27	94	185	242	142	237	197	133	110	82	303	303	119
28	73	192	206	108	137	210	135	106	80	80	390	62
29	70	320	202	172	-	210	143	104	80	88	343	46
30	115	246	127	191	-	130	146	124	80	128	212	60
31	103	-	176	155	-	147	-	184	-	120	137	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	6,098	1,150	70	197	1.13	1.30
November	3,848	320	50	128	.736	.82
December	4,958	311	60	160	.920	1.06
Calendar year						
January	7,476	585	83	241	1.39	1.60
February	6,356	758	73	227	1.30	1.35
March	6,950	800	125	224	1.29	1.49
April	6,908	392	125	230	1.32	1.47
May	5,285	315	104	170	.977	1.13
June	3,539	334	80	118	.678	.76
July	7,558	1,130	80	244	1.40	1.61
August	7,990	1,190	42	258	1.48	1.71
September	4,079	272	45	136	.782	.87
Water year 1934-35	71,045	1,190	42	195	1.12	15.17

Enoree River near Enoree, S. C.

Location.- Water-stage recorder, lat. 34°36', long. 81°54', half a mile upstream from Yarboroughs Bridge, three-quarters of a mile upstream from mouth of Warrior Creek, and 4 miles southeast of Enoree, Spartanburg County. Zero of gage is 447.96 feet above mean sea level, from partly adjusted network of levels.

Drainage area.- 307 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum discharge during year, 9,950 second-feet Aug. 25 (gage height, 5.70 feet); minimum, about 6 second-feet Aug. 17, caused by shut-down of power plants upstream; minimum daily discharge, 101 second-feet Aug. 7.

1929-35: Maximum discharge (estimated), 35,800 second-feet Oct. 2, 1929 (gage height, 10.5 feet); minimum, that of Aug. 17, 1935; minimum daily discharge, 50 second-feet July 24, 1932.

Remarks.- Records good. Diurnal fluctuation caused by operation of power plants upstream.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1-10, 1934; June 2 to Sept. 30, 1935 (Shifting-control method used Aug. 24-28)

1.9	104	3.0	1,340
2.0	160	3.5	2,375
2.2	308	4.0	3,685
2.4	498	5.0	7,025
2.7	870	6.0	11,325

Table for Oct. 11, 1934, to June 1, 1935

1.9	93	3.0	1,340
2.0	145	3.5	2,357
2.2	282	4.0	3,685
2.4	467	5.0	7,025
2.7	845	6.0	11,325

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	144	196	380	1,270	271	337	668	344	244	139	188	320
2	170	261	404	750	230	308	465	334	629	215	168	292
3	140	252	297	485	246	242	564	268	382	1,540	112	260
4	103	194	292	395	258	322	786	262	687	561	172	300
5	111	204	270	370	298	356	522	219	530	399	146	536
6	328	228	250	295	226	342	984	353	376	252	124	515
7	576	154	298	302	238	400	740	504	334	262	101	339
8	366	204	194	440	244	335	658	439	198	190	154	292
9	260	160	168	1,260	232	308	536	344	252	212	254	265
10	4,110	146	222	788	225	251	450	486	257	168	180	438
11	3,110	163	232	562	242	290	452	295	234	128	240	412
12	800	112	191	427	305	1,440	444	251	212	183	254	398
13	454	208	194	378	332	2,270	378	263	210	246	267	330
14	327	196	170	325	1,020	915	349	362	190	419	168	262
15	238	146	118	328	1,700	562	342	453	190	315	102	260
16	303	199	193	320	1,170	489	360	1,070	201	208	136	249
17	192	147	165	278	992	447	354	556	215	167	130	226
18	227	108	222	268	616	406	278	408	238	127	138	223
19	217	128	276	296	491	352	321	243	206	354	913	223
20	230	200	318	218	438	360	284	668	256	570	844	218
21	146	198	288	292	390	342	577	1,050	224	586	1,150	198
22	131	131	225	344	359	308	810	473	142	647	638	204
23	206	184	208	564	318	338	652	362	169	e17	356	199
24	200	172	190	506	294	270	464	310	160	428	926	129
25	169	212	225	424	306	296	399	273	156	266	7,120	158
26	170	186	337	380	534	339	370	291	130	574	1,470	174
27	162	213	364	318	462	317	308	291	169	1,470	498	179
28	118	277	266	307	348	310	288	236	146	327	1,620	196
29	148	438	290	338	-	268	365	239	124	257	919	166
30	199	426	329	290	-	289	409	238	118	220	606	164
31	178	-	404	258	-	348	-	295	-	175	370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	14,233	4,110	103	459	1.50	1.73
November	6,043	438	108	201	.655	.73
December	7,980	404	118	257	.837	.96
Calendar year 1934	135,138	4,110	103	370	1.21	16.37
January	13,776	1,270	218	444	1.45	1.67
February	12,785	1,700	225	457	1.49	1.55
March	14,157	2,270	242	457	1.49	1.72
April	14,577	984	278	486	1.58	1.76
May	12,180	1,070	219	393	1.28	1.48
June	7,579	687	118	253	.824	.92
July	12,412	1,540	127	400	1.30	1.50
August	20,464	7,120	101	660	2.15	2.48
September	8,125	536	129	271	.883	.99
Water year 1934-35	144,311	7,120	101	395	1.29	17.49

Saluda River near Pelzer, S. C.

Location.- Water-stage recorder, lat. 34°40', long. 82°28', half a mile downstream from mouth of Hurricane Creek and 2 miles north of Pelzer, Anderson County. Zero of gage is 727.75 feet above mean sea level (from partly adjusted network of levels).

Drainage area.- 411 square miles.

Records available.- September 1929 to September 1935.

Extremes.- Maximum discharge during year, 5,760 second-feet Jan. 10 (gage height, 5.54 feet); minimum, 164 second-feet Sept. 30; minimum daily discharge, 240 second-feet Aug. 5.
1929-35: Maximum discharge, 9,400 second-feet Oct. 2, 1929 (gage height, 6.88 feet); minimum, 27 second-feet Oct. 20, 1930 (gage height, about 0.82 foot); minimum daily discharge, 62 second-feet Oct. 25, 1931.

Remarks.- Records good. Diurnal fluctuation caused by operation of power plants at Piedmont and near Greenville.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Dec. 1, 1934, and June 4 to Sept. 6, 1935
(Shifting-control method used Aug. 20 to Sept. 6)

1.4	205	2.4	890
1.6	304	2.7	1,180
1.8	423	3.0	1,510
2.0	561	3.4	2,010
2.2	715	3.8	2,590

Table for Dec. 2, 1934, to June 3, 1935, and Sept. 7-30, 1935
(Shifting-control method used Sept. 7-14)

1.6	273	3.4	2,010
1.8	391	3.8	2,590
2.0	533	4.2	3,240
2.4	880	4.6	3,940
2.7	1,180	5.0	4,700
3.0	1,510		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	890	756	1,450	1,410	739	733	1,080	697	631	517	444	436
2	631	680	1,270	1,240	704	586	808	696	624	424	400	621
3	373	397	1,330	774	714	688	724	410	1,130	832	374	558
4	544	406	1,300	726	732	730	1,070	432	1,490	492	330	557
5	536	458	1,110	796	692	730	1,130	749	878	410	240	652
6	952	524	895	910	590	706	1,130	e12	776	498	366	980
7	1,420	496	766	694	610	717	1,190	950	626	566	376	654
8	1,680	380	679	948	596	730	1,190	794	558	618	750	662
9	1,400	513	532	2,050	692	691	876	664	522	409	464	475
10	1,740	377	496	4,640	792	714	768	567	524	388	395	723
11	1,840	519	552	3,400	626	764	956	537	518	398	580	705
12	1,460	433	453	1,650	728	1,170	1,100	614	516	393	789	714
13	1,290	378	503	1,340	662	1,910	584	750	514	454	428	394
14	1,060	439	534	1,220	1,480	1,850	670	1,150	490	516	341	391
15	796	392	482	1,240	1,720	1,440	767	1,130	500	542	397	379
16	690	432	588	1,190	1,660	1,310	695	1,210	506	552	388	406
17	649	367	419	906	1,400	1,170	682	1,120	500	478	312	394
18	616	376	492	710	1,160	901	688	844	406	518	353	456
19	677	405	846	798	930	800	656	714	614	1,110	1,250	369
20	500	456	802	828	752	897	438	630	518	1,410	2,380	361
21	656	468	601	839	752	739	1,050	1,030	414	887	1,930	356
22	448	391	502	888	806	732	1,350	660	393	1,400	1,710	432
23	387	551	588	1,140	733	688	1,270	705	401	1,160	1,400	498
24	592	854	411	1,260	723	714	1,150	703	424	912	1,360	362
25	403	578	682	1,240	760	734	796	705	374	587	1,100	362
26	551	502	752	1,150	1,010	724	712	625	374	718	962	356
27	368	528	734	964	973	722	712	420	368	811	749	308
28	386	518	455	1,040	636	724	777	454	366	562	575	280
29	446	852	842	822	-	660	e72	639	340	642	917	281
30	400	878	767	740	-	458	714	505	412	556	724	291
31	569	-	846	740	-	658	-	498	-	427	644	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	24,950	1,840	368	805	1.96	2.26
November	15,304	878	367	510	1.24	1.38
December	22,679	1,450	411	732	1.78	2.05
Calendar year 1934	276,105	6,220	252	756	1.84	24.99
January	38,291	4,640	694	1,235	3.00	3.46
February	24,372	1,720	590	870	2.12	2.21
March	26,790	1,910	458	864	2.10	2.42
April	26,535	1,350	438	884	2.15	2.40
May	22,614	1,210	410	729	1.77	2.04
June	16,709	1,490	340	557	1.36	1.52
July	20,187	1,410	388	651	1.58	1.82
August	23,448	2,380	240	756	1.84	2.12
September	14,413	980	280	480	1.17	1.30
Water year 1934-35	276,292	4,640	240	757	1.84	24.98

Saluda River at Chappells, S. C.

Location.- Water-stage recorder, lat. 34°11', long. 81°52', 300 feet below highway bridge on State Highway 39 at Chappells, Newberry County, and 8¼ miles upstream from mouth of Little River. Zero of gage is 363.80 feet (revised) above mean sea level (from partly adjusted network of levels).

Drainage area.- 1,290 square miles.

Records available.- May 1927 to September 1935.

Extremes.- Maximum discharge during year, 9,700 second-feet Oct. 12 (gage height, 17.22 feet); minimum, 334 second-feet July 1 (gage height, 1.51 feet); minimum daily discharge, 434 second-feet July 1.

1927-35: Maximum discharge, 63,700 second-feet Oct. 2, 1929 (gage height, 31.5 feet); minimum, 184 second-feet Oct. 20, 1931 (gage height, 0.88 foot); minimum daily discharge, 222 second-feet Oct. 3, 1927.

Maximum stage known, 34.7 feet Aug. 28, 1908, from U. S. Weather Bureau records.

Remarks.- Records good. Some regulation caused by operation of Ware Shoals power plant.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1, 1934, to May 21, 1935, and July 24 to Sept. 30, 1935

2.5	584	6.0	1,850	12.0	4,960
3.0	736	7.0	2,300	14.0	6,480
4.0	1,070	8.0	2,780	16.0	8,400
5.0	1,440	10.0	3,810	18.0	10,800

Table for May 22 to July 23, 1935

1.5	334	5.0	1,510
2.0	462	6.0	1,940
2.5	606	7.0	2,390
3.0	762	8.0	2,840
4.0	1,120	10.0	3,820

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,070	966	1,680	3,980	1,400	1,560	1,780	1,760	1,040	434	864	1,290
2	1,360	1,030	2,030	4,480	1,330	1,600	3,280	1,400	828	726	736	1,250
3	1,070	1,360	1,850	3,260	1,140	1,250	2,160	1,330	1,350	828	800	1,290
4	832	932	2,030	2,260	1,330	1,330	2,420	1,140	2,080	1,300	659	2,500
5	736	689	1,900	1,850	1,520	1,640	2,780	898	2,660	1,120	501	3,760
6	1,090	1,000	1,760	1,680	1,360	1,720	5,440	991	1,980	1,350	752	3,820
7	1,520	966	1,480	1,850	1,520	1,800	6,660	1,680	1,430	932	584	2,120
8	2,080	932	1,360	1,850	1,330	1,800	3,850	1,900	1,200	692	614	1,440
9	2,030	932	1,070	3,660	1,250	1,600	3,000	1,600	896	1,000	1,700	1,400
10	3,920	864	1,180	5,380	1,030	1,250	2,390	1,400	862	888	1,290	3,350
11	8,200	864	1,250	5,380	1,360	1,400	1,850	1,360	1,270	947	885	4,220
12	9,340	689	1,110	5,600	1,440	3,170	2,030	1,000	988	999	1,100	2,510
13	6,560	1,110	966	3,030	1,250	7,500	2,120	1,030	932	1,150	1,800	1,850
14	2,300	832	898	2,340	2,970	8,200	1,480	1,480	932	2,090	932	1,400
15	1,980	800	966	2,210	6,240	4,910	1,480	1,440	896	1,230	832	1,070
16	1,680	864	800	2,080	6,840	2,930	1,940	1,850	811	1,350	704	864
17	1,360	832	864	1,980	4,240	2,340	1,520	1,980	698	932	629	1,180
18	1,290	768	1,140	1,850	3,330	2,210	1,440	1,940	1,200	1,380	674	1,180
19	1,180	614	1,140	1,520	2,680	2,120	1,440	1,290	828	1,780	3,200	1,140
20	1,330	966	1,640	1,250	2,030	1,720	1,360	1,290	862	2,760	5,170	898
21	1,030	864	1,560	1,480	1,760	1,780	1,070	1,720	862	2,080	6,140	1,000
22	932	864	1,380	1,640	1,640	1,640	1,870	2,300	746	1,800	5,900	864
23	1,140	864	1,000	1,720	1,680	1,600	2,320	1,510	651	3,230	3,100	720
24	966	832	1,000	1,980	1,360	1,210	2,120	1,350	473	3,020	2,950	1,120
25	966	864	966	1,980	1,440	1,400	1,940	1,310	928	1,900	6,540	932
26	1,000	1,000	1,330	1,940	2,020	1,640	1,640	1,010	932	1,290	9,340	832
27	1,000	966	1,940	1,720	2,980	1,400	1,360	1,160	845	1,180	5,610	832
28	898	800	1,760	1,600	2,390	1,440	1,110	1,350	561	1,640	1,850	768
29	674	1,070	1,560	1,800	-	1,480	1,600	968	576	1,250	3,760	898
30	1,000	1,400	1,520	1,520	-	1,440	2,510	1,040	651	1,360	3,540	598
31	864	-	1,760	1,440	-	1,140	-	1,080	-	1,070	2,210	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	61,398	9,340	674	1,981	1.54	1.78
November	27,634	1,400	614	918	.712	.79
December	42,870	2,030	800	1,383	1.07	1.23
Calendar year 1934	642,387	17,100	614	1,760	1.36	18.51
January	76,310	5,600	1,250	2,462	1.91	2.20
February	60,860	6,840	1,030	2,174	1.69	1.76
March	68,200	8,200	1,140	2,200	1.71	1.97
April	67,760	6,660	1,070	2,259	1.75	1.95
May	43,557	2,300	898	1,405	1.09	1.26
June	30,948	2,660	473	1,032	.800	.89
July	43,708	3,230	434	1,410	1.09	1.26
August	75,366	9,340	501	2,431	1.88	2.17
September	47,096	4,220	598	1,570	1.22	1.36
Water year 1934-35	645,607	9,340	434	1,769	1.37	18.62

Saluda River near Silverstreet, S. C.

Location.- Water-stage recorder, lat. 34°11', long. 81°44', 200 feet upstream from new Higgins Ferry Bridge on State Highway 19, 1 mile downstream from mouth of Little River, and 2½ miles south of Silverstreet, Newberry County. Zero of gage is 345.13 feet (revised) above mean sea level (from partly adjusted network of levels).

Drainage area.- 1,570 square miles.

Records available.- January 1927 to September 1935.

Extremes.- Maximum discharge during year, 11,500 second-feet Oct. 11 (gage height, 17.22 feet); minimum, 408 second-feet July 1 (gage height, 3.92 feet); minimum daily discharge, 504 second-feet June 24.
1927-35: Maximum discharge (estimated), 83,800 second-feet Oct. 3, 1929 (gage height, 33.97 feet); minimum, 248 second-feet Sept. 29, 1927 (gage height, 3.45 feet); minimum daily discharge, 274 second-feet Sept. 29, 1927.

Remarks.- Records good. Slight regulation from operation of power plants upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

4.1	480	6.0	1,425	12.0	5,410
4.5	650	7.0	1,975	14.0	7,300
5.0	885	8.0	2,570	16.0	9,800
5.5	1,150	10.0	3,895	18.0	12,800

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,010	960	1,890	3,980	1,590	1,980	1,760	2,330	1,120	520	985	1,640
2	1,420	1,100	2,510	5,660	1,540	1,860	3,740	1,640	985	640	785	1,420
3	1,260	1,420	2,210	4,180	1,340	1,640	2,760	1,540	1,280	860	810	1,480
4	910	1,120	2,210	2,760	1,420	1,480	2,700	1,370	2,210	1,240	762	2,940
5	740	762	2,150	2,150	1,700	1,860	3,680	1,120	2,880	1,290	540	5,600
6	1,020	985	1,980	2,090	1,540	2,030	6,050	1,010	2,210	1,420	762	6,550
7	1,760	985	1,700	2,210	1,640	2,150	8,870	1,810	1,590	1,010	650	3,460
8	2,210	1,040	1,590	2,270	1,540	2,210	6,200	2,090	1,320	828	628	1,860
9	2,150	985	1,320	3,620	1,420	1,860	3,760	1,920	1,070	869	1,570	1,640
10	3,880	885	1,340	6,180	1,230	1,590	2,880	1,640	885	1,010	1,480	4,050
11	10,400	985	1,420	6,000	1,480	1,590	2,270	1,640	1,290	829	1,100	7,270
12	11,200	740	1,260	6,000	1,700	5,600	2,390	1,260	1,040	1,180	1,000	3,460
13	9,490	1,120	1,200	3,850	1,480	7,760	2,510	1,120	960	1,010	1,980	2,630
14	3,250	960	1,040	2,760	3,110	9,000	1,860	1,640	960	2,260	1,140	1,860
15	2,270	860	1,070	2,570	6,770	7,150	1,760	1,590	935	1,540	885	1,480
16	1,980	935	1,010	2,330	8,120	3,540	2,150	2,030	935	1,480	740	1,120
17	1,590	910	910	2,270	5,620	2,760	1,810	2,270	718	1,180	695	1,290
18	1,480	860	1,320	2,090	3,900	2,570	1,700	2,210	1,150	1,340	718	1,340
19	1,320	718	1,290	1,810	3,210	2,450	1,640	1,540	960	2,150	4,430	1,340
20	1,480	968	1,980	1,480	2,390	2,030	1,590	1,420	810	3,080	6,760	1,070
21	1,230	960	1,860	1,640	2,090	2,030	1,370	1,810	935	2,330	7,300	1,120
22	910	935	1,640	1,860	1,920	1,920	1,740	2,390	762	1,920	7,610	985
23	1,260	935	1,340	1,860	1,920	1,810	2,630	1,760	740	3,050	3,920	860
24	1,070	935	1,100	2,270	1,700	1,480	2,450	1,420	504	3,400	2,950	1,110
25	1,010	885	1,200	2,210	1,700	1,540	2,210	1,370	828	2,150	5,610	1,040
26	1,100	1,150	1,300	2,150	2,290	1,860	1,860	1,150	960	1,540	7,760	910
27	1,010	1,100	2,390	1,920	3,620	1,640	1,640	1,200	935	1,290	8,050	885
28	1,040	910	2,090	1,860	2,950	1,640	1,340	1,420	605	1,810	2,360	835
29	718	1,150	1,920	1,980	-	1,700	1,860	1,070	605	1,420	3,970	960
30	960	1,640	1,760	1,760	-	1,640	2,860	1,010	672	1,540	5,390	718
31	935	-	2,030	1,640	-	1,420	-	1,180	-	1,180	2,810	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	72,063	11,200	718	2,325	1.48	1.71
November	29,898	1,640	718	997	.635	.71
December	50,030	2,510	910	1,614	1.03	1.19
Calendar year 1934	751,918	16,900	695	2,060	1.31	17.83
January	87,410	6,180	1,480	2,820	1.80	2.08
February	70,930	8,120	1,230	2,533	1.61	1.68
March	81,790	9,000	1,420	2,638	1.68	1.94
April	82,040	8,870	1,340	2,735	1.74	1.94
May	48,970	2,390	1,010	1,580	1.01	1.16
June	32,854	2,880	504	1,095	.697	.78
July	47,366	3,400	520	1,528	.973	1.12
August	86,150	8,060	540	2,779	1.77	2.04
September	62,923	7,270	718	2,097	1.34	1.50
Water year 1934-35	752,424	11,200	504	2,061	1.31	17.85

Lake Murray near Columbia, S. C.

Location.- Water-stage recorder, lat. 34°3', long. 81°13', in intake tower about 500 feet above dam, 10 miles upstream from mouth of Saluda River, and 11 miles northwest of Columbia, Richland County. Zero of gage is 0.62 foot below mean sea level.

Drainage area.- 2,400 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum gage height during year, 348.82 feet Sept. 13; minimum, 329.40 feet Nov. 28, 29, 30.
1929-35: Maximum gage height, 359.23 feet May 16, 1933; minimum, 173.2 feet Aug. 31, 1929, when impounding of water started.

Remarks.- Record excellent.

Gage height, in feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	337.5	333.1	329.5	331.2	336.2	339.6	343.1	346.5	345.5	341.0	341.2	346.4
2	337.2	332.8	329.6	331.6	336.2	339.7	343.2	346.6	345.5	340.9	341.2	346.3
3	336.7	332.7	329.8	331.9	336.3	339.8	343.3	346.5	345.5	340.7	341.2	346.0
4	336.2	332.8	329.9	332.2	336.4	339.8	343.5	346.6	345.4	340.6	341.1	345.8
5	335.6	332.8	329.9	332.3	336.4	339.8	343.7	346.6	345.3	340.6	341.0	346.4
6	335.3	332.5	330.0	332.5	336.4	339.9	344.1	346.6	345.2	340.6	340.9	347.4
7	335.4	332.2	330.0	332.7	336.4	340.0	344.6	346.6	345.2	340.6	340.7	347.7
8	335.5	331.9	330.1	332.8	336.5	340.0	345.1	346.6	345.1	340.5	340.7	347.8
9	335.3	331.6	330.2	333.1	336.5	340.0	345.3	346.5	345.1	340.3	340.7	347.8
10	335.2	331.5	330.3	333.6	336.6	340.2	345.4	346.5	345.0	340.0	340.7	347.8
11	336.5	331.5	330.3	333.9	336.7	340.2	345.5	346.5	344.8	339.9	340.7	348.5
12	337.3	331.4	330.2	334.3	336.7	340.4	345.6	346.6	344.5	339.7	340.7	348.8
13	337.8	331.1	330.1	334.6	336.7	341.2	345.7	346.6	344.2	339.7	340.7	348.8
14	338.2	330.7	330.0	334.9	336.9	341.8	345.8	346.5	344.0	340.0	340.7	348.7
15	338.2	330.4	329.9	335.0	337.2	342.2	345.9	346.4	343.8	340.2	340.7	348.7
16	338.0	330.2	330.0	335.0	337.6	342.4	345.9	346.4	343.8	340.1	340.6	348.6
17	337.7	330.0	330.0	335.1	338.2	342.7	345.8	346.4	343.6	340.1	340.5	348.4
18	337.4	330.1	329.9	335.2	338.5	342.8	345.8	346.4	343.3	340.2	340.4	348.1
19	337.0	330.1	329.9	335.2	338.6	342.8	345.8	346.5	343.0	340.3	341.4	347.7
20	336.8	330.0	329.8	335.4	338.8	342.8	345.9	346.6	342.8	340.4	343.2	347.5
21	336.7	329.8	329.8	335.4	338.8	342.8	346.0	346.5	342.5	340.6	344.0	347.2
22	336.5	329.7	329.9	335.5	338.8	342.8	346.1	346.4	342.3	340.7	344.3	347.2
23	336.2	329.6	330.0	335.6	338.9	342.9	346.2	346.3	342.2	340.8	344.5	347.0
24	335.8	329.6	330.0	335.6	339.0	343.0	346.3	346.2	342.1	340.9	344.6	346.6
25	335.4	329.6	330.1	335.6	339.1	343.0	346.3	346.2	341.9	341.0	344.7	346.3
26	335.0	329.6	330.3	335.8	339.2	343.0	346.4	346.2	341.7	341.1	345.0	345.9
27	334.8	329.6	330.3	335.9	339.4	343.0	346.4	346.2	341.5	341.1	345.2	345.6
28	334.8	329.4	330.5	336.0	339.5	342.9	346.5	346.0	341.3	341.2	345.4	345.3
29	334.6	329.4	330.6	336.0	-	342.9	346.5	345.8	341.2	341.2	345.7	345.2
30	334.1	329.4	330.8	336.1	-	343.0	346.5	345.7	341.1	341.2	346.2	344.9
31	333.6	-	331.0	336.1	-	343.1	-	345.6	-	341.2	346.3	-

Saluda River near Columbia, S. C.

Location.- Water-stage recorder, lat. 34°1', long. 81°6', a quarter of a mile upstream from site of old Saluda mill and 2 miles upstream from mouth, at Columbia, Richland County. Zero of gage is 149.53 feet above sea level.

Drainage area.- 2,450 square miles.

Records available.- August 1925 to September 1935.

Average discharge.- 10 years, 2,978 second-feet.

Extremes.- Maximum discharge during year, 14,800 second-feet Sept. 5 (gage height, 7.17 feet); minimum, 40 second-feet May 6; minimum daily discharge, 49 second-feet Dec. 25, caused by shut-down of power plant at Lake Murray.
1925-35: Maximum discharge, 67,000 second-feet Oct. 2, 1929 (gage height, 15.22 feet); minimum, 11 second-feet July 13, 1930; minimum daily discharge, 12 second-feet July 13, 1930, due to impounding of water in Lake Murray.

Remarks.- Records good. Considerable regulation from storage and power-plant operations at Lake Murray (capacity, about 92,000,000,000 cubic feet).

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1, 1934, to Mar. 12, 1935, and Aug. 19 to Sept. 30, 1935

0.5	32	2.1	625	4.5	5,030
.7	50	2.5	1,030	5.0	6,575
1.0	92	3.0	1,705	5.5	8,200
1.3	155	3.5	2,590	6.0	9,950
1.7	320	4.0	3,675	6.5	11,860

Table for Mar. 15 to Aug. 18, 1935

0.7	50	2.5	975
1.0	92	3.0	1,615
1.3	155	3.5	2,430
1.7	320	4.0	3,440
2.1	599	5.0	6,050
		6.0	9,250

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,910	6,880	798	658	1,190	1,460	1,560	2,180	746	3,430	1,450	2,560
2	6,880	4,350	124	756	330	340	1,800	2,030	1,720	3,550	989	6,350
3	8,730	664	804	656	117	96	2,030	1,630	4,280	2,470	2,270	8,050
4	8,900	74	1,060	654	872	1,630	1,720	478	4,640	1,560	1,670	8,170
5	9,610	3,750	1,080	252	1,180	2,150	1,140	55	3,820	1,540	3,020	10,700
6	3,040	5,230	1,070	112	1,380	2,270	660	1,810	3,850	2,010	2,550	6,590
7	96	5,220	1,020	818	1,480	2,120	320	2,740	2,350	1,240	2,970	2,510
8	3,690	5,160	420	1,340	1,240	2,020	1,560	2,610	1,000	4,120	1,750	784
9	6,420	5,240	88	1,910	358	496	1,740	2,250	2,040	5,920	822	5,620
10	6,830	1,480	1,160	1,190	231	68	1,700	1,720	4,730	4,580	772	6,610
11	4,290	326	1,840	1,190	1,060	1,780	1,720	755	5,100	4,140	1,040	5,250
12	3,890	4,760	2,240	380	1,640	3,000	1,050	214	6,720	4,570	1,580	5,500
13	605	5,480	3,050	118	2,150	2,470	314	2,150	5,650	3,410	1,620	5,890
14	614	5,510	3,130	559	1,500	2,340	91	2,960	4,140	2,240	1,340	3,120
15	5,340	5,620	866	1,110	1,320	2,030	1,350	4,540	2,310	2,190	1,840	1,640
16	6,410	4,310	68	1,560	394	456	1,970	4,230	2,180	2,420	2,090	5,530
17	6,790	616	2,050	1,680	103	80	1,940	1,590	5,800	2,100	1,110	7,500
18	7,030	73	2,660	1,670	1,030	1,630	1,800	478	6,560	1,740	2,440	7,680
19	6,910	2,690	2,620	454	1,330	2,230	1,320	76	5,680	1,220	3,050	7,650
20	3,840	3,230	2,450	122	1,330	2,160	382	3,510	5,830	906	5,380	6,880
21	2,330	2,900	2,040	1,150	1,380	2,050	114	3,940	5,310	450	3,720	4,400
22	5,820	2,610	322	1,490	1,360	2,000	802	3,460	1,930	1,080	3,460	1,540
23	6,980	2,320	104	1,440	338	463	1,430	3,420	1,570	1,010	3,170	6,870
24	7,560	454	60	1,260	81	370	1,560	2,150	4,010	1,060	1,590	8,000
25	6,920	84	49	1,090	1,010	1,900	1,900	658	4,140	964	777	8,120
26	6,710	1,970	465	306	1,900	2,470	1,900	1,190	4,160	1,010	3,150	7,860
27	1,560	2,430	654	92	1,700	2,470	463	3,460	4,080	1,000	3,550	7,860
28	520	2,510	692	761	1,510	2,060	61	4,330	3,320	104	3,440	4,670
29	7,300	1,410	271	968	-	1,780	2,130	4,510	2,060	747	4,620	2,800
30	8,520	1,990	107	1,110	-	416	2,540	4,160	2,030	1,140	6,570	7,290
31	8,400	-	618	1,180	-	251	-	2,880	-	1,130	2,630	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	166,445	8,900	96	5,369	2.19	2.52
November	89,341	6,880	73	2,978	1.22	1.36
December	33,980	3,130	49	1,096	.447	.52
Calendar year 1934	884,913	8,900	45	2,424	.989	13.43
January	27,936	1,910	92	901	.368	.42
February	29,514	2,150	81	1,054	.430	.45
March	47,038	3,000	68	1,517	.619	.71
April	39,167	2,540	61	1,306	.533	.59
May	71,864	4,540	55	2,318	.946	1.09
June	111,656	6,720	746	3,722	1.52	1.70
July	65,051	5,920	104	2,098	.856	.99
August	81,630	8,050	772	2,633	1.07	1.23
September	174,214	10,700	784	5,807	2.37	2.64
Water year 1934-35	937,834	10,700	49	2,569	1.05	14.22

South Fork of Edisto River near Denmark, S. C.

Location.- Water-stage recorder, lat. 33°23'35", long. 81°8', at bridge on State Highway 6, 200 feet downstream from Seaboard Air Line Railway bridge, 1⅛ miles downstream from mouth of Little River, and 4⅝ miles north of Denmark, Bamberg County. Zero of gage is 165.19 feet above mean sea level, unadjusted.

Drainage area.- 720 square miles.

Records available.- August 1931 to September 1935.

Extremes.- Maximum discharge during year, 2,640 second-feet Aug. 22 (gage height, 8.36 feet); minimum, 183 second-feet June 30 to July 3.
1931-35: Maximum discharge, about 2,930 second-feet Aug. 12, 1932 (gage height, 8.47 feet); minimum, that of June 30 to July 3, 1935.

Remarks.- Records good.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 11-14)

Table for Oct. 1, 1934, to June 14, 1935

4.4	199	5.8	408
4.6	223	6.1	470
4.9	263	6.5	660
5.2	307	7.0	1,060
5.5	356	7.5	1,580

Table for June 15 to Sept. 30, 1935

3.7	183	5.8	450
4.0	213	6.1	500
4.3	246	6.5	660
4.6	281	7.0	1,060
4.9	319	7.5	1,580
5.2	360	8.0	2,190
5.5	404	8.5	2,850

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	323	373	845	768	520	595	628	426	205	183	326	1,020
2	300	390	928	768	520	595	595	417	211	183	319	1,160
3	284	399	928	768	520	595	568	399	236	183	293	1,060
4	292	399	805	768	500	595	595	390	292	188	257	970
5	315	417	768	730	500	595	768	382	356	198	246	1,420
6	331	408	730	730	500	660	928	364	382	198	240	2,120
7	348	399	695	730	500	695	1,060	348	390	208	235	2,060
8	339	399	695	730	485	695	1,110	339	390	224	263	1,880
9	339	399	695	768	485	660	1,110	323	373	257	293	1,640
10	382	399	660	885	485	628	1,110	323	331	281	293	1,640
11	485	399	628	845	485	595	1,200	382	284	306	306	2,120
12	660	399	595	768	485	628	1,160	426	263	326	300	2,060
13	805	390	595	768	500	730	1,060	399	256	346	287	1,760
14	928	399	568	805	568	768	1,020	382	256	389	269	1,470
15	970	390	568	805	628	730	928	364	257	523	246	1,260
16	885	390	540	805	660	730	805	348	257	578	235	1,110
17	845	399	540	805	695	730	695	323	263	555	224	1,020
18	805	408	520	768	695	730	628	315	269	630	224	970
19	730	417	540	730	695	805	568	307	263	695	347	928
20	660	417	595	695	695	928	540	315	263	660	500	885
21	540	426	628	660	660	970	540	331	257	600	958	805
22	470	426	628	628	660	885	540	331	252	555	2,580	695
23	426	426	660	628	628	768	520	315	230	523	2,320	600
24	399	436	660	595	595	660	500	292	213	491	1,940	578
25	382	436	628	595	568	595	470	277	213	466	1,880	539
26	373	436	660	595	540	540	456	263	198	426	1,640	523
27	364	436	695	568	540	520	458	256	193	389	1,360	512
28	364	446	695	568	595	500	446	242	193	374	1,110	512
29	356	568	730	568	-	540	436	230	193	382	928	500
30	356	730	768	540	-	595	436	217	183	360	1,060	491
31	356	-	768	540	-	628	-	211	-	332	1,060	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	15,412	970	284	497	0.690	0.80
November	12,756	730	373	425	.590	.66
December	20,958	928	520	676	.939	1.08
Calendar year 1934	249,627	2,850	284	684	.950	12.88
January	21,924	885	540	707	.982	1.13
February	15,907	695	485	568	.789	.82
March	20,888	970	500	674	.936	1.08
April	21,880	1,200	436	729	1.01	1.13
May	10,237	426	211	330	.458	.53
June	7,922	390	183	264	.367	.41
July	12,009	695	183	387	.538	.62
August	22,539	2,580	224	727	1.01	1.16
September	34,308	2,120	491	1,144	1.59	1.77
Water year 1934-35	216,740	2,580	183	594	.825	11.19

Seneca River near Anderson, S. C.

Location.- Water-stage recorder, lat. 34°30', long. 82°50', at highway bridge 1½ miles downstream from mouth of Deep Creek, 4 miles upstream from confluence of Seneca and Tugaloo Rivers, and 10½ miles west of Anderson, Anderson County.

Drainage area.- 1,026 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 19,800 second-feet Jan. 10 (gage height, 12.24 feet); minimum, about 90 second-feet Nov. 18; minimum daily discharge, 737 second-feet Sept. 29.

1931-35: Maximum discharge, 37,600 second-feet Oct. 18, 1932 (gage height, 17.73 feet); minimum, that of Nov. 18, 1934; minimum daily discharge, 371 second-feet Oct. 15, 1931.

Maximum known stage, 25 feet Aug. 17, 18, 1928 (discharge estimated, 77,000 second-feet).

Remarks.- Records good. Diurnal fluctuation caused by operation of power plant upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

3.0	540	4.6	2,470	7.0	6,170
3.3	825	5.0	3,030	8.0	8,190
3.6	1,155	5.5	3,730	9.0	10,480
3.9	1,530	6.0	4,480	10.0	13,040
4.2	1,930	6.5	5,290	11.0	15,900

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,000	1,360	5,600	4,350	1,760	1,780	2,260	1,770	1,110	1,210	974	1,240
2	1,750	1,810	3,780	3,520	1,580	1,430	1,900	1,510	1,450	962	933	1,250
3	1,370	1,220	2,500	2,470	1,770	1,670	1,680	1,440	2,830	1,270	902	1,140
4	1,280	1,460	2,610	2,140	1,860	1,860	2,660	1,560	3,380	1,560	800	1,140
5	1,210	2,230	2,450	1,700	1,740	1,770	2,770	1,440	1,860	1,150	788	1,820
6	4,480	1,380	1,980	1,730	1,650	1,790	3,970	1,760	1,400	1,170	602	1,820
7	10,700	1,410	1,880	2,230	1,620	2,250	4,080	2,820	1,580	1,420	744	1,330
8	3,690	1,210	1,710	2,760	1,600	2,040	3,070	2,160	1,220	1,150	1,050	1,180
9	2,460	1,220	1,470	13,800	1,400	1,630	2,620	1,560	780	979	1,300	1,120
10	4,680	931	1,740	14,800	1,700	1,700	2,260	1,540	912	840	1,010	1,240
11	7,790	1,160	1,460	5,110	1,830	2,080	2,300	1,810	1,090	814	971	1,500
12	4,110	1,390	1,390	3,750	1,650	3,930	2,520	1,990	1,060	812	1,530	1,260
13	2,690	1,150	1,340	3,240	1,820	8,580	2,180	1,950	1,130	1,360	1,010	1,130
14	2,200	1,070	1,350	3,010	4,170	4,290	2,030	1,900	1,050	1,550	880	1,060
15	2,020	1,090	1,070	2,710	5,370	2,960	1,990	1,780	1,020	1,700	905	1,060
16	1,860	1,130	1,280	2,520	3,900	2,500	1,780	2,040	1,050	1,230	1,030	897
17	1,790	878	1,450	2,390	3,240	2,380	1,680	2,270	*1,000	996	942	964
18	1,570	1,070	1,290	2,340	2,740	2,200	1,690	1,710	*1,100	1,040	876	924
19	1,520	1,180	1,710	1,950	2,350	2,050	1,710	1,550	1,140	1,540	1,670	924
20	1,300	1,080	2,230	2,110	2,150	2,030	1,630	1,730	1,100	2,610	7,120	906
21	1,400	1,060	1,690	2,300	2,030	1,940	2,290	2,140	867	2,130	9,770	884
22	1,550	1,110	1,370	2,250	1,950	1,830	4,160	1,800	936	3,470	5,720	809
23	1,360	1,530	1,410	3,260	1,720	1,710	2,700	1,460	894	4,650	2,620	860
24	1,250	1,770	1,370	3,240	1,830	1,730	2,120	1,390	954	2,210	3,450	938
25	1,240	1,410	1,340	2,610	1,990	1,760	2,070	1,400	826	1,310	4,080	834
26	1,240	1,400	1,820	2,310	1,840	1,700	1,950	1,220	810	1,480	2,180	808
27	940	1,200	1,640	2,270	2,210	1,660	1,890	1,360	808	2,420	1,670	818
28	1,150	1,220	1,650	2,280	2,050	1,650	1,780	1,260	832	1,580	1,430	803
29	1,280	1,630	2,220	2,140	-	1,700	1,940	1,140	762	1,260	1,960	737
30	1,110	2,390	1,810	1,970	-	1,520	1,860	1,220	790	1,330	1,740	764
31	1,090	-	2,040	1,900	-	1,710	-	1,090	-	1,080	1,330	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	74,080	10,700	940	2,390	2.33	2.69
November	40,149	2,390	878	1,338	1.30	1.45
December	58,650	5,600	1,070	1,892	1.84	2.12
Calendar year 1934	725,899	16,900	733	1,989	1.94	26.29
January	105,610	14,800	1,700	3,392	3.31	3.82
February	61,520	5,370	1,400	2,197	2.14	2.23
March	69,830	8,580	1,430	2,253	2.20	2.54
April	69,540	4,080	1,680	2,318	2.26	2.52
May	51,770	2,820	1,090	1,670	1.63	1.88
June	35,741	3,380	762	1,191	1.16	1.29
July	48,283	4,650	812	1,558	1.52	1.75
August	62,187	9,770	744	2,006	1.96	2.26
September	32,160	1,820	737	1,072	1.04	1.16
Water year 1934-35	709,070	14,800	737	1,943	1.89	25.71

*Estimated.

Augusta Canal near Augusta, Ga.

Location.- Two water-stage recorders at upper end of Augusta Canal. Upper gage, lat. 33°32'55", long. 82°2'15", is 1,000 feet below diversion dam, 1¼ miles downstream from Stevens Creek power dam, and 5 3/8 miles northwest of Augusta, Richmond County. Lower gage, lat. 33°30'50", long. 82°15", is 3 3/8 miles downstream from upper gage. Elevation of zero of gages is 46.58 feet (city of Augusta datum) and 149.417 feet above mean sea level.

Records available.- November 1930 to September 1935.

Extremes.- Maximum mean daily discharge during year, 3,460 second-feet Sept. 11; minimum (estimated), 500 second-feet May 26.
1930-35: Maximum mean daily discharge, that of Sept. 11, 1935; minimum, estimated, 200 second-feet Apr. 28 to May 3, 1933, when canal was shut off.

Remarks.- Records good. Daily discharge obtained by slope method. Canal diverts water for power and water-supply purposes from the Savannah River at dam 1 mile downstream from Stevens Creek Dam. Waste water from power houses returns to river by three connections above Thirteenth Street highway bridge. Water is also pumped from canal for water supply for city of Augusta, and a small amount of water entering Beaverdam Ditch is discharged into river about 13 miles downstream from Augusta. Estimates based on partial gage-height record and comparison with record for similar periods.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,180	3,030	2,150	2,900	3,250	3,440	3,230	3,160	1,230	2,490	3,080	1,130
2	2,660	3,050	1,800	3,160	1,540	1,810	3,300	3,120	1,130	2,430	2,920	1,250
3	2,780	1,940	3,300	3,170	1,430	1,620	3,300	2,730	3,130	2,330	1,700	3,090
4	2,900	1,430	3,360	2,870	2,820	3,100	3,200	1,330	3,240	1,300	1,630	3,160
5	2,690	2,900	3,260	1,730	2,920	3,250	3,160	912	3,120	2,000	3,010	3,220
6	1,660	2,900	3,190	1,630	3,080	3,330	1,860	3,080	3,000	1,730	2,700	3,380
7	1,570	3,000	3,130	3,060	3,380	3,340	1,790	3,020	2,830	1,360	2,540	1,910
8	*3,000	2,870	1,910	3,200	3,190	3,200	3,100	3,230	1,490	2,920	2,960	1,550
9	3,060	2,970	1,500	3,160	1,960	1,730	3,200	3,090	1,320	2,820	3,010	2,840
10	2,810	2,020	3,100	2,590	1,920	1,560	3,260	2,770	2,860	2,610	1,650	3,330
11	3,000	1,840	3,140	2,560	3,170	3,000	3,270	1,600	*2,000	2,800	*1,740	3,460
12	2,060	2,930	3,080	1,760	3,220	3,000	3,310	1,490	*2,600	2,730	*3,080	3,250
13	1,360	3,040	3,140	1,560	3,270	1,300	1,560	3,190	*3,000	1,710	*3,000	3,260
14	936	3,000	2,850	3,070	3,350	1,970	1,030	3,010	*2,800	1,490	*3,000	1,890
15	2,060	3,030	1,940	3,270	3,210	2,560	3,210	3,220	1,430	2,820	*3,000	996
16	3,010	3,050	2,190	3,400	1,680	1,660	3,210	3,220	1,050	2,770	*3,000	3,120
17	3,140	1,990	3,070	3,240	1,660	1,700	3,170	3,110	2,920	2,720	*1,700	2,890
18	3,130	1,960	3,040	3,380	2,890	3,020	3,170	1,380	2,790	2,960	1,620	2,530
19	3,070	2,740	3,290	1,860	3,080	3,130	3,230	837	2,990	3,100	3,240	3,060
20	1,770	2,450	3,250	1,680	3,280	3,200	1,500	3,030	3,050	2,080	3,270	3,170
21	1,710	2,770	3,230	3,110	3,320	3,260	980	3,060	2,890	1,670	3,300	1,810
22	3,050	3,170	1,980	3,220	3,290	3,240	3,050	3,250	1,520	2,930	3,340	1,720
23	2,980	3,100	1,620	3,340	1,460	2,070	3,270	3,140	1,420	*3,170	3,190	3,020
24	3,050	1,790	1,580	3,200	1,020	2,020	3,240	2,930	2,880	*3,060	1,350	2,190
25	3,010	1,890	1,570	3,180	3,240	3,140	3,120	1,200	2,130	*2,760	1,340	2,460
26	3,180	3,270	2,660	1,900	3,270	3,200	2,710	*500	2,340	*3,130	3,280	3,130
27	1,660	3,190	2,620	1,800	3,290	3,240	1,580	3,150	2,770	1,900	3,140	3,110
28	1,760	3,020	2,620	3,230	3,370	3,230	1,300	2,980	2,370	1,880	3,150	1,890
29	3,130	2,940	1,680	3,260	-	3,200	3,250	3,120	1,750	3,140	3,140	1,480
30	2,650	3,200	1,560	3,400	-	1,740	3,190	3,080	1,570	3,080	3,080	2,160
31	2,670	-	2,870	3,350	-	1,570	-	2,600	-	3,040	1,850	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	79,116	3,160	936	2,552		
November	80,480	3,270	1,430	2,683		
December	79,700	3,360	1,500	2,571		
Calendar year 1934	945,762	3,440	616	2,591		
January	88,240	3,400	1,560	2,782		
February	76,560	3,380	1,020	2,734		
March	81,030	3,440	1,300	2,614		
April	81,770	3,310	980	2,726		
May	79,739	3,260	500	2,572		
June	69,620	3,240	1,050	2,321		
July	76,950	3,170	1,300	2,482		
August	82,010	3,340	1,340	2,645		
September	75,476	3,460	996	2,516		
Water year 1934-35	948,691	3,460	500	2,599		

*Estimated.

Altamaha River at Doctortown, Ga.

Location.- Water-stage recorder, lat. 31°39', long. 81°50', at Atlantic Coast Line Railroad bridge at Doctortown, Wayne County, about 4½ miles northeast of Jesup. Zero of gage is 28.77 feet above mean sea level.

Drainage area.- 13,900 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 21,600 second-feet Sept. 15 (gage height, 6.26 feet); minimum discharge, 3,030 second-feet July 5, 6; minimum gage height, -1.43 feet July 6.

1931-35: Maximum discharge, 46,400 second-feet Mar. 4, 1933, and Mar. 16-18, 1934; maximum gage height, 8.13 feet Mar. 17, 1934; minimum discharge, 1,760 second-feet Oct. 8, 9, 14, 15, 1931 (gage height, -2.3 feet).

Maximum known stage, 14.6 feet Jan. 23, 1925 (discharge, estimated, 250,000 second-feet).

Remarks.- Records good. U. S. Weather Bureau record of stage taken for Oct. 19 to Nov. 5, Nov. 21 to Jan. 5, Jan. 14, Jan. 31 to Feb. 5, Feb. 13 to Mar. 5, Apr. 3-5, 22-24, 28, 29.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

-1.6	2,890	0.7	4,860	4.0	9,900
-1.3	3,100	1.0	5,160	4.5	11,100
-1.0	3,340	1.5	5,730	5.0	12,400
- .7	3,580	2.0	6,380	5.5	14,800
- .4	3,820	2.5	7,100	6.0	18,500
0	4,180	3.0	7,900	6.5	23,800
.3	4,460	3.5	8,860	7.0	30,200

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,820	5,990	4,660	5,270	6,380	8,860	13,700	9,680	4,270	3,260	11,300	6,520
2	3,660	5,490	4,560	5,730	6,120	8,660	12,400	9,260	4,180	3,180	10,900	6,520
3	3,500	4,960	4,360	6,520	5,730	8,460	12,100	8,860	4,000	3,340	10,400	6,660
4	3,500	4,660	4,270	7,100	5,490	8,460	11,800	8,660	4,000	3,180	9,900	6,800
5	3,420	4,360	4,270	7,260	5,380	8,660	11,600	8,860	4,180	3,030	9,260	7,900
6	3,420	4,180	4,560	7,580	5,160	8,660	11,100	9,260	4,180	3,030	8,260	11,300
7	3,420	4,090	5,270	7,900	5,060	8,660	11,100	9,460	4,270	3,180	7,100	12,800
8	3,500	4,090	6,120	8,260	4,960	8,660	11,100	9,460	5,060	3,420	5,990	14,800
9	3,420	4,000	6,660	8,660	5,060	8,460	11,100	8,860	5,730	3,500	5,060	15,400
10	3,420	4,000	6,660	8,660	4,960	8,860	11,300	8,080	5,990	3,420	4,660	16,100
11	3,660	3,910	6,660	8,460	4,860	9,460	11,800	7,580	5,860	3,580	4,360	16,100
12	4,360	3,820	6,380	8,460	4,960	10,400	12,400	7,260	5,380	3,820	4,360	16,800
13	5,380	3,820	5,990	8,460	4,860	11,100	12,800	7,580	4,960	4,180	4,360	19,500
14	6,120	3,820	5,490	8,660	5,060	11,800	13,700	8,260	4,560	4,560	4,460	20,500
15	7,100	3,820	5,160	9,260	5,270	12,400	14,200	8,660	4,270	5,160	4,760	20,500
16	8,080	3,740	4,960	9,900	5,610	12,800	14,800	8,860	4,090	5,860	4,960	20,500
17	8,860	3,740	4,760	10,400	6,250	13,200	14,800	8,860	4,000	6,250	4,960	18,500
18	9,900	3,740	4,660	10,600	6,940	13,200	14,800	8,260	4,000	6,380	4,760	17,600
19	9,680	3,740	4,560	10,400	7,740	13,700	14,800	7,260	3,820	6,800	4,560	16,100
20	10,400	3,740	4,460	9,460	8,660	14,200	14,200	6,520	3,740	7,260	4,460	14,200
21	11,100	3,660	4,360	8,260	9,460	14,800	13,700	6,250	3,660	7,740	4,460	13,200
22	11,600	3,660	4,270	7,580	10,100	16,100	13,200	6,250	3,580	8,460	4,560	12,100
23	12,100	3,580	4,360	7,420	10,900	16,800	12,400	6,120	3,500	8,860	4,560	11,100
24	12,400	3,580	4,560	7,100	11,300	17,600	11,600	5,730	3,420	9,260	4,960	9,900
25	12,400	3,580	4,760	7,100	11,300	18,500	11,300	5,380	3,420	9,680	5,270	8,260
26	11,800	3,660	4,760	6,940	10,900	19,500	10,600	4,960	3,420	9,900	5,610	7,260
27	11,800	3,820	5,160	6,940	10,100	19,500	9,900	4,860	3,340	9,900	6,120	6,660
28	11,600	4,090	5,270	6,800	9,260	18,500	9,680	4,760	3,260	9,680	6,120	6,250
29	11,800	4,360	5,160	6,800	-	16,800	9,680	4,760	3,180	10,400	6,250	5,990
30	8,660	4,560	4,960	6,660	-	16,100	9,680	4,660	3,180	11,100	6,380	5,730
31	6,520	-	4,960	6,660	-	14,800	-	4,460	-	11,600	6,380	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	230,400	12,400	3,420	7,432	0.535	0.62
November	122,260	5,990	3,580	4,075	.293	.33
December	156,950	6,660	4,270	5,063	.364	.42
Calendar year 1934	3,626,970	46,400	3,420	9,937	.715	9.70
January	245,260	10,600	5,270	7,912	.569	.66
February	197,830	11,300	4,860	7,065	.508	.53
March	397,660	19,500	8,460	12,830	.923	1.06
April	367,340	14,800	9,680	12,240	.881	.98
May	227,730	9,680	4,460	7,346	.528	.61
June	124,500	5,990	3,180	4,150	.299	.33
July	192,970	11,600	3,030	6,225	.448	.52
August	189,500	11,300	4,360	6,113	.440	.51
September	371,550	20,500	5,730	12,380	.891	.99
Water year 1934-35	2,823,950	20,500	3,030	7,737	.557	7.56

Ocmulgee River at Macon, Ga.

Location.- Water-stage recorder, lat. 32°51', long. 83°34', at Fifth Street Bridge, Macon, Bibb County. U. S. Weather Bureau gage at same location and datum. Zero of gage is 269.38 feet above mean sea level.

Drainage area.- 2,290 square miles.

Records available.- January 1893 to September 1913, October 1921 to September 1935.

Average discharge.- 22 years (1893-1911, 1931-35), 2,810 second-feet.

Extremes.- Maximum discharge during year, 24,500 second-feet Oct. 12 (gage height, 18.90 feet); minimum, 466 second-feet June 25 (gage height, 1.79 feet).
1893-1913, 1931-35: Maximum discharge, 50,900 second-feet Mar. 1, 1902; maximum gage height, 23.5 feet Mar. 16, 1913; minimum discharge, 192 second-feet Nov. 9, 16, 23, 1931; minimum gage height, -1.0 foot Aug. 10, 1904.
Maximum known stage, 25.4 feet Jan. 19, 1925 (discharge estimated from extension of rating curve, 51,900 second-feet).

Remarks.- Records fair. Gage heights for Nov. 8 to Jan. 6 furnished by U. S. Weather Bureau. Flow partly regulated by power plant near Jackson, Ga. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	645	825	1,820	2,540	960	2,110	1,430	3,350	1,460	555	1,560	758
2	645	780	2,920	2,920	938	2,550	3,190	3,150	1,060	690	1,080	668
3	668	730	2,920	2,870	1,770	935	3,840	3,080	892	668	802	645
4	690	758	2,920	2,650	938	985	3,600	2,940	2,630	668	668	645
5	622	758	2,430	2,540	938	1,670	3,320	1,420	2,510	690	600	622
6	668	735	1,040	1,060	1,250	4,360	3,240	1,190	2,220	848	578	600
7	915	1,260	2,160	960	1,470	6,000	3,800	2,700	1,450	802	555	645
8	985	780	1,720	2,080	1,220	5,090	6,230	2,960	892	668	578	578
9	1,630	825	870	2,400	870	5,240	5,240	2,820	802	1,060	780	555
10	2,340	825	825	2,500	848	4,300	3,480	2,230	758	690	690	550
11	14,600	825	1,940	2,400	848	3,210	3,140	2,000	1,270	622	622	2,430
12	23,100	825	960	2,300	1,350	4,260	4,370	1,460	938	919	622	3,310
13	19,400	735	1,180	1,220	1,360	19,800	4,310	1,310	870	859	578	3,140
14	5,640	802	960	960	2,090	15,800	3,260	2,110	892	2,400	550	2,870
15	3,480	758	960	2,020	2,910	6,000	2,230	2,100	735	3,800	600	1,560
16	3,200	712	960	2,130	3,000	4,500	2,930	1,650	712	2,680	555	802
17	2,890	712	1,010	2,080	1,420	4,020	2,780	1,410	712	2,100	600	870
18	2,510	758	1,110	2,110	1,180	3,460	2,700	1,870	964	1,560	798	758
19	2,430	758	1,210	2,430	2,040	3,210	2,260	1,220	825	2,130	1,600	802
20	2,370	1,560	1,460	2,460	2,120	3,180	2,290	1,010	758	2,400	1,770	802
21	1,240	1,720	1,820	2,280	2,090	3,130	2,370	1,710	668	1,950	2,020	690
22	936	1,940	960	2,450	2,060	2,470	1,490	2,040	622	1,420	2,610	578
23	2,260	2,650	915	2,320	2,080	2,130	2,390	1,890	600	2,490	2,460	555
24	2,150	2,650	870	2,230	985	1,310	2,430	1,830	578	2,700	1,960	668
25	2,010	1,940	1,360	2,170	915	1,260	2,390	1,620	546	2,760	798	690
26	1,970	848	825	2,110	1,420	2,090	2,150	1,160	578	2,700	578	578
27	1,080	1,460	1,990	1,060	2,330	2,120	1,500	938	600	2,430	842	542
28	802	938	2,700	892	2,510	2,170	1,310	870	550	2,160	1,610	537
29	758	892	2,870	2,070	-	2,050	1,880	870	578	1,850	3,560	510
30	825	938	2,650	1,220	-	2,030	3,310	1,760	546	2,540	2,210	486
31	915	-	1,110	960	-	2,310	-	1,310	-	2,170	1,200	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	101,374	23,100	622	3,270	1.43	1.65
November	32,747	2,650	712	1,092	.477	.53
December	49,425	2,920	825	1,594	.696	.80
Calendar year 1934	745,760	23,100	622	2,043	.892	12.11
January	62,392	2,920	892	2,013	.879	1.01
February	43,910	3,000	848	1,568	.685	.71
March	125,800	19,800	985	3,994	1.74	2.01
April	88,610	6,280	1,310	2,954	1.29	1.44
May	57,978	3,350	870	1,870	.817	.94
June	29,216	2,630	546	974	.425	.47
July	51,979	3,800	555	1,677	.732	.84
August	36,034	3,560	550	1,162	.507	.58
September	29,444	3,310	486	981	.428	.48
Water year 1934-35	706,909	23,100	486	1,937	.846	11.46

Oconee River at Dublin, Ga.

Location.- Water-stage recorder, lat. 32°32', long. 82°54', at bridge on U. S. Highway 80 in Dublin, Laurens County. Zero of gage is 148.58 feet above mean sea level.

Drainage area.- 4,350 square miles.

Records available.- 1894 to 1899 (fragmentary); February 1898 to December 1913, October 1931 to September 1935.

Average discharge.- 18 years (1898-1912, 1931-35), 5,150 second-feet.

Extremes.- Maximum discharge during year, 15,100 second-feet Mar. 19 (gage height, 14.73 feet); minimum observed discharge, 840 second-feet Sept. 29, 30; minimum gage height, 1.44 feet Aug. 9, 10.

1898-1913, 1931-35: Maximum discharge, 57,200 second-feet Mar. 18-19, 1913 (gage height, 29.5 feet; minimum, 550 second-feet Oct. 22, 23, 1931 (gage height, 0.9 foot). Maximum known stage, 32.8 feet (present datum) Jan. 21, 1925 (estimated discharge, 88,600 second-feet).

Remarks.- Records good. Gage heights taken from a graph constructed from U. S. Weather Bureau daily readings June 29 to July 15, Aug. 5-10, Sept. 28-30. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,210	1,490	1,830	4,200	2,390	4,280	4,120	5,700	1,580	930	2,140	2,520
2	1,100	1,460	2,320	3,880	2,320	4,120	3,960	6,600	1,580	930	1,760	2,259
3	1,040	1,460	3,320	4,800	2,320	3,560	4,620	6,100	1,790	960	1,510	1,650
4	1,070	1,550	4,460	5,240	2,320	3,240	5,240	4,880	2,740	1,580	1,340	1,310
5	1,070	1,690	4,120	4,880	2,320	3,080	5,600	3,700	5,060	1,620	1,180	1,340
6	1,070	1,580	3,320	4,280	2,320	3,240	7,000	3,060	4,880	1,380	1,120	1,580
7	1,070	1,550	2,920	3,720	2,320	4,200	7,880	2,820	3,940	1,680	990	1,540
8	1,210	1,620	2,680	3,800	2,250	6,100	8,460	2,900	2,590	2,140	900	1,540
9	2,460	1,520	2,390	4,620	2,250	7,440	8,820	3,700	2,000	2,000	870	1,680
10	4,370	1,490	2,250	6,000	2,250	7,440	9,180	4,970	1,760	1,790	870	1,510
11	4,200	1,430	2,040	7,330	2,250	6,000	8,700	5,060	1,650	1,760	900	1,620
12	6,400	1,430	2,040	7,880	2,320	4,970	7,440	4,800	1,680	1,860	1,120	2,360
13	7,660	1,430	1,970	7,440	2,530	5,700	7,330	5,240	1,580	2,220	1,150	4,800
14	8,340	1,620	1,900	5,800	2,920	8,220	7,440	4,540	1,440	2,360	1,240	4,370
15	8,940	1,660	1,900	4,460	3,400	9,560	6,900	3,380	1,380	3,140	1,180	2,820
16	9,950	1,520	1,830	3,880	5,060	11,200	5,600	2,740	1,380	4,540	1,050	2,070
17	11,000	1,490	1,830	3,560	7,330	13,000	4,620	2,590	1,410	4,280	960	1,650
18	9,180	1,490	1,760	3,320	8,220	14,800	4,120	3,140	1,480	3,380	1,020	1,410
19	4,280	1,490	1,900	3,240	7,770	14,600	3,800	3,460	1,340	2,740	1,180	1,310
20	2,760	1,460	2,110	3,080	6,100	10,300	3,560	2,980	1,340	2,900	1,720	1,280
21	2,460	1,490	2,320	3,000	4,880	5,800	3,560	2,520	1,280	5,150	2,140	1,180
22	2,180	1,580	2,680	2,840	4,120	4,620	3,720	2,220	1,410	5,240	2,440	1,150
23	1,970	1,580	2,760	2,840	3,640	4,200	3,800	2,220	1,280	4,280	3,220	1,080
24	1,900	1,580	2,460	2,840	3,400	3,960	4,120	2,140	1,080	3,300	3,060	1,080
25	1,830	1,660	2,250	2,760	3,240	3,720	4,200	2,000	1,020	3,540	2,140	1,050
26	1,720	1,720	2,180	2,760	3,160	3,560	4,120	1,930	960	3,620	1,580	1,120
27	1,660	1,660	2,180	2,600	3,320	3,560	4,370	1,860	900	2,740	1,440	1,240
28	1,550	1,660	2,760	2,530	3,640	3,560	4,120	1,720	960	2,360	1,280	990
29	1,550	1,720	3,480	2,460	-	4,120	3,960	1,620	900	2,820	1,410	840
30	1,430	1,720	4,280	2,460	-	4,370	4,280	1,650	1,050	2,820	2,440	840
31	1,460	-	4,540	2,460	-	4,200	-	1,620	-	2,360	2,590	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	108,090	11,000	1,040	3,487	0.802	0.92
November	46,800	1,720	1,430	1,560	.359	.40
December	80,780	4,540	1,760	2,606	.599	.69
Calendar year 1934	1,425,590	23,200	1,040	3,906	.898	12.18
January	124,960	7,880	2,460	4,031	.927	1.07
February	100,360	8,220	2,250	3,584	.824	.86
March	190,720	14,800	3,080	6,152	1.41	1.63
April	164,640	9,180	3,560	5,488	1.26	1.41
May	103,860	6,600	1,620	3,350	.770	.89
June	53,440	5,060	900	1,781	.409	.46
July	82,420	5,240	930	2,659	.611	.70
August	47,940	3,220	870	1,546	.355	.41
September	51,220	4,800	840	1,707	.392	.44
Water year 1934-35	1,155,230	14,800	840	3,165	.728	9.88

Satilla River at Atkinson, Ga.

Location.- Water-stage recorder, lat. 31°13', long. 81°52', at bridge on U. S. Highway 84 about 400 feet downstream from Atlantic Coast Line Railroad bridge and 1 mile west of Atkinson, Brantley County.

Drainage area.- 2,970 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 13,000 second-feet Sept. 18, 19; maximum gage height, 16.25 feet Sept. 18; minimum, 31 second-feet June 23 (gage height, 2.52 feet). 1931-35: Maximum observed discharge, 15,200 second-feet Feb. 18, 1933 (gage height, 16.96 feet); minimum, 4.5 second-feet Nov. 19, 20, 1931 (gage height, 1.9 feet).

Remarks.- Records good except those for period Sept. 15-30, which are fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Jan. 12 to Aug. 12)

2.5	30	4.2	288	6.3	840	10.0	2,490
2.7	38	4.4	334	6.7	960	11.0	3,130
3.0	56	4.6	381	7.0	1,060	12.0	4,070
3.2	80	4.8	429	7.5	1,250	13.0	5,510
3.4	112	5.0	479	8.0	1,450	14.0	7,410
3.6	152	5.3	556	8.5	1,680	15.0	9,750
3.8	196	5.7	666	9.0	1,910	16.0	12,400
4.0	242	6.0	750	9.5	2,190	17.0	15,200

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	104	72	45	50	89	610	322	181	66	35	990	780
2	97	68	43	51	86	652	300	176	59	34	990	810
3	92	65	47	51	83	708	283	176	55	34	990	780
4	86	74	56	52	80	750	274	174	53	34	930	722
5	83	74	56	50	79	750	267	159	51	34	900	960
6	82	67	54	54	76	750	263	146	50	38	810	1,540
7	82	63	53	58	72	750	274	150	49	54	708	1,860
8	80	60	52	59	71	750	283	150	46	54	596	2,130
9	77	59	50	64	71	750	283	156	43	50	517	2,610
10	83	58	49	70	71	750	288	167	40	57	504	3,550
11	97	55	47	76	70	722	300	163	39	94	543	5,850
12	104	54	46	84	67	694	311	152	38	94	556	7,850
13	122	53	45	89	79	666	311	146	36	98	596	9,250
14	150	53	45	92	98	666	311	144	37	108	570	9,750
15	170	51	45	96	129	708	311	150	34	127	466	10,800
16	167	51	45	107	192	780	311	142	37	146	381	11,600
17	172	51	45	122	237	810	311	122	38	212	369	12,700
18	185	52	44	127	322	840	300	104	36	334	381	13,000
19	194	51	45	127	417	840	288	97	34	466	369	13,000
20	198	51	44	129	492	840	276	90	32	583	346	12,400
21	196	51	43	122	570	810	281	89	32	652	311	11,900
22	178	50	43	116	638	780	283	77	32	750	369	11,000
23	154	50	42	112	680	722	270	74	32	840	530	10,300
24	135	49	43	102	694	666	247	76	32	960	666	9,250
25	122	48	44	98	694	596	224	70	33	1,060	750	8,530
26	110	47	44	100	680	530	212	67	33	1,060	750	7,410
27	98	46	45	100	666	479	194	65	33	1,100	680	6,590
28	89	47	46	100	610	429	183	64	35	1,060	624	5,510
29	84	47	48	98	-	393	189	64	36	990	624	4,320
30	79	46	49	95	-	357	185	65	35	960	694	3,370
31	75	-	50	92	-	334	-	65	-	960	750	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,745	198	75	121	0.041	0.05
November	1,663	74	46	55.4	.019	.02
December	1,453	56	42	46.9	.016	.02
Calendar year 1934	305,562	11,900	42	837	.282	3.82
January	2,742	129	50	88.5	.030	.03
February	8,113	694	67	290	.098	.10
March	20,882	840	334	674	.227	.25
April	8,135	322	183	271	.091	.10
May	3,721	181	64	120	.040	.05
June	1,206	66	32	40.2	.014	.02
July	13,075	1,100	34	422	.142	.16
August	19,260	990	311	621	.209	.24
September	200,122	13,000	722	6,671	2.25	2.51
Water year 1934-35	284,117	13,000	32	778	.262	3.56

St. Marys River near Macclenny, Fla.

Location.- Staff gage, lat. 30°21'35", long. 82°4'55", in sec. 2, T. 2 S., R. 22 E., at Stokes Bridge, 1 mile below junction of North and South Prongs and 6 miles northeast of Macclenny. Zero of gage is 40.00 feet above mean sea level.

Drainage area.- 859 square miles. Watershed in Okeefenokee Swamp indeterminate.

Records available.- October 1926 to September 1935.

Extremes.- Maximum discharge during year, 4,990 second-feet Sept. 7, 8; maximum gage height, 14.20 feet Sept. 8; minimum discharge observed, 18 second-feet June 1-9, 14-16; minimum gage height observed, 0.44 foot June 8, 9.
1926-35: Maximum observed discharge, about 16,500 second-feet Sept. 20, 1928 (gage height, 21.9 feet); minimum observed discharge, 12 second-feet May 22, 1932; minimum observed gage height, 0.04 foot June 4, 5, 1927.

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Nov. 11 to Jan. 20, June 8 to Sept. 4)

0.4	16	1.6	86	3.3	261	6.0	675	10.0	1,770
.6	22	1.8	104	3.7	308	6.5	775	11.0	2,250
.8	28	2.0	124	4.0	347	7.0	880	12.0	2,770
1.0	36	2.3	154	4.5	417	7.5	1,000	13.0	3,620
1.2	51	2.7	195	5.0	495	8.0	1,130	14.0	4,740
1.4	68	3.0	228	5.5	583	9.0	1,410	15.0	6,030

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	44	34	68	39	90	29	24	18	20	1,160	1,440
2	43	40	34	48	39	86	29	24	18	20	1,410	1,510
3	47	40	34	44	39	77	28	24	18	19	930	1,580
4	55	44	34	42	37	77	30	23	18	19	1,440	1,770
5	59	49	39	42	37	72	32	22	18	19	1,130	2,400
6	64	47	38	77	36	72	32	21	18	20	955	4,040
7	86	47	38	144	36	72	32	20	18	23	815	4,990
8	114	39	36	134	36	95	30	20	18	34	695	4,990
9	261	38	36	134	35	90	30	21	18	68	565	4,380
10	431	37	34	144	36	82	29	22	19	66	495	3,820
11	403	36	34	184	35	72	28	24	19	77	495	3,240
12	361	35	33	174	35	64	27	24	19	95	463	2,910
13	361	34	32	164	43	72	26	24	19	95	431	2,910
14	272	33	33	154	40	90	25	23	18	104	479	3,150
15	250	32	32	77	50	90	25	22	18	144	479	3,240
16	206	31	32	59	100	86	24	22	18	463	463	2,910
17	174	32	33	59	250	68	24	22	21	447	495	2,650
18	164	31	34	51	206	55	23	22	20	417	463	2,910
19	144	31	34	51	164	55	24	21	20	417	463	3,420
20	134	31	36	51	134	47	24	20	19	529	565	3,070
21	114	31	36	51	129	47	23	20	19	735	655	2,840
22	104	32	36	51	114	43	22	20	19	715	695	2,990
23	95	32	35	49	114	40	22	20	19	629	755	3,820
24	86	32	35	48	95	36	22	28	19	629	735	3,620
25	77	31	35	47	95	34	22	30	19	930	755	3,150
26	72	31	36	46	86	31	22	28	19	1,290	775	2,650
27	68	31	36	45	86	31	22	25	19	1,000	1,030	2,300
28	59	33	43	45	90	31	21	22	19	905	1,380	1,950
29	55	34	43	43	-	30	21	21	20	835	1,540	1,690
30	50	34	68	42	-	30	24	20	19	815	1,540	1,580
31	44	-	68	40	-	30	-	19	-	695	1,480	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,495	431	42	145	0.169	0.19
November	1,072	49	31	35.7	.042	.05
December	1,161	68	32	37.5	.044	.05
Calendar year 1934	120,629	8,090	14	330	.384	5.22
January	2,408	184	40	77.7	.090	.10
February	2,236	250	35	79.9	.093	.10
March	1,895	95	30	61.1	.071	.08
April	772	32	21	25.7	.030	.03
May	698	30	19	22.5	.026	.03
June	563	21	18	18.8	.022	.02
July	12,076	1,290	19	390	.454	.52
August	25,731	1,540	431	830	.966	1.11
September	87,920	4,990	1,440	2,931	3.41	3.80
Water year 1934-35	141,027	4,990	18	386	.449	6.08

St. Johns River near Christmas, Fla.

Location.- Water-stage recorder, lat. 28°33', long. 80°57', in sec. 29 or 32, T. 22 S., R. 34 E., at bridge on State Highway 22 about 5 miles east of Christmas. Zero of gage is 1.68 feet above mean sea level.

Drainage area.- 1,320 square miles.

Records available.- December 1933 to September 1935.

Extremes.- Maximum discharge, 3,600 second-feet Sept. 30 (gage height, 8.03 feet); minimum discharge, 29 second-feet June 4 (gage height, 1.35 feet).

1934-35: Maximum discharge, 4,800 second-feet June 20, 1934 (gage height, 8.9 feet, from high-water mark); minimum, that of June 4, 1935.

Flood of September 1926 reached a stage of 10.8 feet (discharge, estimated, 10,000 second-feet).

Remarks.- Records fair except those for February and June, which may be poor.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Jan. 13, June 20 to July 6, Aug. 20 to Sept. 30)

1.30	27	2.40	101	3.60	214	6.00	950
1.40	31	2.60	117	3.80	243	6.50	1,350
1.60	40	2.80	133	4.00	275	7.00	1,860
1.80	53	3.00	149	4.50	370	7.50	2,480
2.00	69	3.20	168	5.00	497	8.00	3,190
2.20	85	3.40	189	5.50	675	8.50	4,030

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,590	985	634	428	284	201	101	59	35	698	769	1,590
2	1,590	950	634	416	275	195	99	55	33	675	744	1,540
3	1,540	985	634	416	275	189	99	54	31	634	720	1,640
4	1,540	950	615	404	267	189	101	52	33	578	698	1,600
5	1,540	950	596	416	259	184	105	50	53	544	698	1,980
6	1,490	916	596	512	259	184	105	48	94	497	675	2,100
7	1,490	916	578	528	251	184	109	45	96	468	675	2,100
8	1,640	883	578	528	251	184	105	45	93	454	654	2,040
9	1,640	883	561	512	251	178	99	50	84	441	654	1,980
10	1,640	853	544	512	251	178	93	53	75	441	654	1,920
11	1,540	853	528	497	251	173	89	69	67	441	654	1,860
12	1,490	823	528	482	243	168	84	99	65	428	654	2,040
13	1,440	823	512	454	243	168	79	95	67	482	675	2,420
14	1,400	823	512	441	243	163	74	83	67	544	720	2,820
15	1,350	796	497	428	236	158	71	74	66	654	720	2,820
16	1,350	769	482	416	251	154	67	65	60	823	720	2,890
17	1,300	769	482	404	259	149	64	59	55	985	720	3,040
18	1,260	744	468	392	259	145	63	53	53	1,140	698	3,120
19	1,260	744	468	381	251	145	62	55	66	1,180	698	3,040
20	1,220	744	468	381	251	141	60	63	85	1,140	698	2,960
21	1,180	744	468	370	243	137	59	59	137	1,100	744	2,960
22	1,180	720	468	360	236	133	58	55	158	1,060	796	3,040
23	1,140	698	468	349	228	129	55	50	208	985	1,020	3,350
24	1,140	698	454	349	221	129	52	51	392	985	1,220	3,350
25	1,100	698	454	339	221	125	53	67	544	950	1,350	3,430
26	1,060	675	441	329	214	121	57	64	654	883	1,400	3,430
27	1,060	675	441	320	214	113	59	56	675	853	1,490	3,430
28	1,060	675	441	310	208	109	59	49	698	823	1,540	3,510
29	1,020	654	441	301	-	105	64	43	744	796	1,540	3,510
30	1,020	654	428	292	-	105	61	39	720	796	1,540	3,600
31	985	-	428	292	-	100	-	36	-	796	1,590	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	41,255	1,640	985	1,331	1.01	1.16
November	24,050	985	654	802	.608	.68
December	15,847	634	428	511	.387	.45
Calendar year 1934	540,074	4,700	367	1,480	1.12	15.21
January	12,559	528	292	405	.307	.35
February	6,895	284	208	246	.186	.19
March	4,736	201	100	153	.116	.13
April	2,306	109	52	76.9	.058	.06
May	1,795	99	36	57.9	.044	.05
June	6,208	744	31	207	.157	.18
July	23,274	1,180	428	751	.569	.66
August	28,128	1,590	654	907	.687	.79
September	79,310	3,600	1,540	2,644	2.00	2.23
Water year 1934-35	246,363	3,600	31	675	.511	6.93

St. Johns River near De Land, Fla.

Location.- Slope station with two gages in T. 17 S., R. 29 E.; upstream water-stage recorder at Hawkinsville, 1 mile above Crows Bluff Bridge, which is 5 miles west of De Land, lat. 29°1', long. 81°23'; downstream water-stage recorder 3½ miles below this bridge, at St. Francis Landing. Zero of gage is 1.106 feet and 0.716 foot, respectively, below mean sea level.

Drainage area.- 2,830 square miles.

Records available.- January 1934 to September 1935.

Extremes.- Maximum mean daily discharge during year, 5,380 second-feet Sept. 30; minimum mean daily discharge, about 30 second-feet Feb. 1 (strong upstream wind).
1934-35: Maximum mean daily discharge, 10,600 second-feet July 4-6, 1934; minimum mean daily discharge, that of Feb. 1, 1935.
Maximum stage known, 6.8 feet in 1910.

Remarks.- Records good except those below 1,500 second-feet and those estimated for Oct. 1-22, May 6-22, July 7-31, which are poor. Discharge determined by stage-fall-discharge relation based on numerous discharge measurements, including several hundred made during 1936 by the Corps of Engineers, U. S. Army.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		2,840	1,850	1,100	30	1,010	520	860	930	1,010	2,530	2,380
2		3,050	2,000	980	60	990	500	770	1,000	1,150	2,440	2,160
3	3,800	3,190	2,140	1,150	800	990	530	660	950	1,050	2,460	2,210
4		3,050	1,940	1,230	1,200	1,300	600	660	730	930	2,610	3,050
5		2,680	1,910	1,350	1,150	1,230	500	640	600	950	2,600	3,260
6		2,430	1,950	980	1,190	860	660		440	1,030	2,470	3,190
7		2,750	1,650	1,100	1,150	930	840		350		2,320	3,270
8	4,000	2,860	1,680	1,030	960	850	600		480		2,470	3,270
9		2,950	1,820	1,180	1,100	680	480		380		2,480	3,370
10		2,710	1,740	1,330	1,250	420	750		370		2,280	3,330
11		2,440	1,240	1,470	1,270	470	930		370		2,000	3,270
12		2,130	1,490	1,480	1,350	1,330	600		380		1,310	3,180
13	3,500	2,260	1,590	1,360	970	850	470		550		1,660	3,010
14		2,400	1,820	1,280	930	1,150	540		850	1,000	1,820	2,940
15		2,150	1,750	1,400	1,150	1,420	1,090	650	950		1,840	2,760
16		1,950	1,720	1,660	1,240	1,210	1,000		860		1,790	2,740
17		2,110	1,760	1,840	880	1,170	1,180		870		1,780	2,860
18		2,180	1,620	1,770	960	930	950		850		1,770	2,870
19	3,000	2,180	1,800	1,650	1,070	600	930		940		1,870	3,160
20		2,270	1,570	1,600	1,260	490	850		870		1,680	3,340
21		2,320	1,830	1,780	1,130	750	990		450		1,680	3,630
22		2,160	1,700	1,820	1,630	770	980		850		1,570	3,960
23	2,910	2,100	1,620	2,150	1,570	840	940	500	660	1,500	1,650	4,300
24	2,870	1,940	1,560	1,000	1,450	790	850	680	840		1,420	4,650
25	2,790	1,740	1,570	860	1,450	770	510	500	860		1,230	4,870
26	2,680	1,480	1,660	730	1,620	1,010	430	250	610		1,380	4,970
27	2,680	650	1,500	750	750	1,300	500	60	340		2,050	4,960
28	2,690	510	1,360	480	680	930	670	500	620	2,070	2,080	5,120
29	2,720	900	1,270	400	-	635	840	390	850		2,130	5,290
30	2,790	1,540	1,370	400	-	420	1,020	500	1,070		2,680	5,380
31	2,730	-	1,330	250	-	520	-	680	-		2,410	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	102,360	-	2,680	3,302	1.17	1.35
November	66,120	3,190	510	2,204	.779	.87
December	52,010	2,140	1,240	1,678	.593	.68
Calendar year						
January	37,560	2,150	250	1,212	.428	.49
February	30,250	1,630	30	1,080	.382	.40
March	27,615	1,420	420	891	.315	.36
April	22,250	1,180	430	742	.262	.29
May	18,900	880	60	610	.216	.25
June	20,870	1,070	340	696	.246	.27
July	39,710	-	950	1,281	.453	.52
August	62,460	2,680	1,230	2,015	.712	.82
September	106,750	5,380	2,160	3,558	1.26	1.41
Water year 1934-35	586,855	5,380	30	1,608	.568	7.71

Wekiva River near Sanford, Fla.

Location.- Lat. 28°49', long. 81°25', on line between secs. 21 and 28 (revised), T. 19 S., R. 29 E., at highway bridge 9 miles west of Sanford.

Records available.- Discharge measurements from October 1931 to September 1935.

Extremes.- 1931-35: Maximum discharge measured, 580 second-feet June 5, 1934; minimum, 147 second-feet Apr. 7, 1933.

Remarks.- Wekiva River is fed by large springs. No daily record of stage obtained, but discharge measurement made about monthly. Flow is very uniform. Stage affected by backwater from St. Johns River when it is high.

Discharge measurements, in second-feet, water year October 1934 to September 1935

Jan. 24	185	May 23	242	Aug. 2	193
Feb. 15	223	June 22	166	Sept.19	322
Apr. 3	168	July 12	187		

Blue Spring near Orange City, Fla.

Location.- Lat. 28°56', long. 81°21', in sec. 7, T. 18 S., R. 30 E., about 2½ miles west of Orange City.

Records available.- Discharge measurements from March 1932 to September 1935.

Extremes.- 1932-35: Maximum discharge measured, 188 second-feet Dec. 5, 1932; minimum, 137 second-feet Mar. 2, 1932.

Remarks.- Measurements are made about monthly in the spring run above junction with St. Johns River, a quarter of a mile below spring. No measurements October to December, 1934.

Discharge measurements, in second-feet, water year October 1934 to September 1935

Jan. 23	164	May 23	153	Aug. 1	167
Feb. 15	176	June 22	151	Sept.19	155
Apr. 2	177	July 12	143		

Oklawaha River near Ocala, Fla.

Location.- Water-stage recorder, lat. 29°12', long. 81°59', in sec. 15, T. 15 S., R. 23 E., at county highway bridge known as Sharpes Ferry, 2 miles upstream from Silver River and 9 miles east of Ocala. Zero of gage is 36.24 feet above mean sea level (revised).

Records available.- February 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,090 second-feet Oct. 8; maximum gage height, 3.85 feet Oct. 2 and 8; minimum discharge, 98 second-feet June 30; minimum gage height, -1.15 feet July 6.
1930-35: Maximum discharge, 1,810 second-feet June 15, 1934; maximum gage height, 5.52 feet Sept. 6, 1933; minimum discharge, 48 second-feet June 4, 1933; minimum gage height, -1.76 feet Aug. 2, 1931.

Remarks.- Records fair. Flow regulated by power plant at Moss Bluff, 12 miles upstream.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	914	659	488	378	350	361	216	160	113	101	183	488
2	1,030	659	488	378	345	361	207	158	130	101	188	470
3	970	659	488	372	340	366	197	149	121	101	154	453
4	970	626	488	366	335	356	202	149	116	101	144	488
5	970	626	470	395	350	356	202	149	134	101	144	770
6	970	626	470	415	345	356	183	154	121	101	163	770
7	970	626	453	422	350	350	183	154	125	105	154	770
8	970	626	453	422	345	340	178	144	111	105	154	730
9	1,030	626	437	422	345	340	183	149	122	105	173	730
10	970	597	437	422	345	335	178	149	123	113	149	693
11	970	597	437	422	350	330	168	144	125	116	251	693
12	914	571	422	415	350	330	173	144	116	137	295	659
13	914	571	408	415	350	340	178	144	109	137	305	693
14	862	571	415	408	356	330	163	144	114	134	280	693
15	862	548	415	402	361	325	158	144	111	137	261	659
16	862	548	408	395	378	325	158	144	112	149	246	626
17	862	527	408	395	389	320	149	139	108	192	221	659
18	814	527	415	395	402	315	163	130	113	183	207	659
19	814	507	415	389	395	305	158	130	119	183	202	626
20	814	507	408	389	395	310	154	130	100	183	270	626
21	770	507	415	389	389	305	158	134	100	178	437	626
22	770	507	408	389	383	300	154	134	100	183	415	626
23	770	507	408	389	378	295	154	130	102	207	422	659
24	770	507	408	383	378	290	154	125	118	183	453	659
25	730	507	408	378	372	280	154	125	112	178	730	597
26	730	507	395	372	378	280	158	125	101	173	862	571
27	693	488	395	372	378	266	149	125	101	173	730	548
28	693	488	389	372	372	266	162	122	111	178	659	527
29	693	488	389	372	-	256	163	121	107	178	597	527
30	693	488	383	372	-	246	160	124	100	178	548	507
31	659	-	383	361	-	246	-	115	-	173	527	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	26,423	1,030	659	852		
November	16,798	659	488	560		
December	13,204	488	383	426		
Calendar year 1934	231,889	1,810	361	635		
January	12,166	422	361	392		
February	10,204	402	335	364		
March	9,781	361	246	316		
April	5,118	216	149	171		
May	4,288	160	115	138		
June	3,395	134	100	113		
July	4,575	207	100	148		
August	10,524	862	144	339		
September	18,802	770	453	627		
Water year 1934-35	135,278	1,030	100	371		

Oklawaha River near Connor, Fla.

Location.- Water-stage recorder, lat. 29°12', long. 81°59', in sec. 3, T. 1f S., R. 23 E., at highway bridge on Ocala-Daytona highway a quarter of a mile downstream from the mouth of Silver River and 8 miles east of Ocala. Prior to Aug. 24 a staff gage at the same site and datum. Zero of gage is 31.80 feet above mean sea level (revised).

Records available.- February 1930 to September 1935.

Extremes.- Maximum discharge observed during year, 1,930 second-feet Oct. 2-5, 9; maximum gage height, 6.80 feet Oct. 9; minimum discharge observed, 702 second-feet July 9; minimum gage height, 3.36 feet July 5-7, 9.
1930-35: Maximum discharge, 3,700 second-feet Sept. 6, 1933 (gage height, 9.14 feet); minimum, 631 second-feet Feb. 1, 1933 (gage height, 2.88 feet).

Remarks.- Records good except those for period March to July, which are fair. Discharge interpolated July 23 and 25. Operation of power plant at Moss Bluff affects flow at low stages.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,860	1,560	1,410	1,320	1,220	1,200	1,060	833	777	717	804	1,360
2	1,930	1,560	1,410	1,300	1,200	1,200	1,040	833	777	717	786	1,340
3	1,930	1,560	1,410	1,300	1,200	1,200	1,030	824	768	717	777	1,320
4	1,930	1,560	1,410	1,300	1,180	1,200	1,030	824	768	709	759	1,380
5	1,930	1,560	1,380	1,360	1,180	1,200	1,020	833	786	709	759	1,800
6	1,860	1,560	1,380	1,380	1,180	1,200	970	824	768	709	750	1,800
7	1,860	1,560	1,360	1,380	1,160	1,200	985	824	777	709	768	1,740
8	1,860	1,510	1,360	1,380	1,180	1,180	970	824	759	709	759	1,740
9	1,930	1,510	1,360	1,380	1,180	1,200	970	824	777	709	734	1,680
10	1,860	1,510	1,360	1,380	1,180	1,200	958	814	768	717	734	1,680
11	1,860	1,510	1,360	1,360	1,180	1,180	945	824	768	734	786	1,680
12	1,860	1,510	1,340	1,360	1,180	1,180	945	814	750	725	1,100	1,620
13	1,860	1,510	1,340	1,360	1,180	1,200	945	814	742	750	1,160	1,680
14	1,800	1,510	1,340	1,360	1,200	1,200	908	814	750	750	1,080	1,680
15	1,800	1,460	1,340	1,340	1,200	1,200	908	814	750	750	985	1,680
16	1,740	1,460	1,340	1,320	1,240	1,200	895	804	750	777	908	1,680
17	1,740	1,460	1,340	1,320	1,260	1,200	863	814	742	853	884	1,680
18	1,740	1,460	1,340	1,320	1,260	1,180	895	795	742	843	863	1,680
19	1,740	1,460	1,360	1,320	1,260	1,200	884	786	742	824	863	1,680
20	1,740	1,460	1,340	1,300	1,240	1,180	884	786	725	833	958	1,620
21	1,680	1,460	1,340	1,300	1,240	1,180	863	795	734	814	1,300	1,620
22	1,680	1,460	1,340	1,300	1,220	1,180	863	795	725	824	1,260	1,680
23	1,680	1,460	1,340	1,300	1,220	1,160	863	786	725	795	1,280	1,740
24	1,680	1,410	1,340	1,280	1,220	1,160	863	786	742	824	1,240	1,740
25	1,680	1,410	1,340	1,280	1,200	1,160	863	786	734	804	1,560	1,680
26	1,620	1,410	1,340	1,260	1,220	1,160	863	777	717	804	1,800	1,620
27	1,620	1,410	1,320	1,260	1,240	1,160	833	777	725	804	1,680	1,620
28	1,620	1,410	1,320	1,260	1,220	1,150	863	777	742	804	1,560	1,620
29	1,620	1,410	1,340	1,260	-	1,130	843	777	725	804	1,510	1,620
30	1,560	1,410	1,340	1,240	-	1,110	824	768	717	814	1,460	1,560
31	1,560	-	1,320	1,220	-	1,110	-	759	-	804	1,410	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	54,830	1,930	1,560	1,769		
November	44,500	1,560	1,410	1,483		
December	41,960	1,410	1,320	1,354		
Calendar year 1934	563,310	3,250	1,040	1,540		
January	40,780	1,380	1,220	1,315		
February	33,860	1,260	1,180	1,209		
March	36,560	1,200	1,110	1,179		
April	27,646	1,060	824	922		
May	24,905	833	759	803		
June	22,472	786	717	749		
July	23,856	853	709	770		
August	33,277	1,800	734	1,073		
September	49,020	1,800	1,320	1,634		
Water year 1934-35	433,666	1,930	709	1,188		

Oklawaha River near Orange Springs, Fla.

Location.- Staff gage, lat. 29°30'20", long. 81°54'35", in sec. 28, T. 11 S., R. 24 E., a quarter of a mile downstream from Jordans Ferry and mouth of Orange Creek and 2½ miles east of Orange Springs. Zero of gage is 5.36 feet above mean sea level.

Records available.- February 1930 to September 1935.

Extremes.- Maximum discharge observed during year, 4,100 second-feet Sept. 6-9; maximum observed gage height, 8.36 feet Sept. 6; minimum observed discharge, 767 second-feet July 3-6; minimum observed gage height, 2.66 feet July 5, 6.
1930-35: Maximum observed discharge, 9,760 second-feet Sept. 9, 1933 (gage height, 11.60 feet); minimum, 741 second-feet on several days from January to June 1933; minimum gage height, 2.40 feet Feb. 2, 1933.

Remarks.- Records good except those for March and April, which are fair. Discharge estimated Oct. 17-30, estimates based on comparison with Oklawaha River near Connor, Fla.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,480	1,880	1,560	1,400	1,270	1,310	1,230	915	822	780	1,030	2,160
2	2,480	1,810	1,560	1,400	1,270	1,310	1,230	915	808	780	1,000	2,090
3	2,480	1,810	1,560	1,350	1,270	1,310	1,190	915	808	767	976	1,950
4	2,480	1,810	1,500	1,350	1,270	1,310	1,270	898	836	767	953	1,880
5	2,750	1,810	1,500	1,450	1,270	1,310	1,270	898	851	767	933	2,840
6	2,660	1,810	1,500	1,560	1,230	1,310	1,230	898	851	767	933	4,100
7	2,570	1,740	1,500	1,560	1,230	1,350	1,230	882	836	794	933	4,100
8	2,480	1,740	1,500	1,560	1,230	1,310	1,230	898	822	808	915	4,100
9	2,660	1,740	1,500	1,560	1,230	1,310	1,150	898	808	760	915	4,100
10	2,660	1,740	1,500	1,560	1,230	1,310	1,090	882	808	822	976	3,880
11	2,750	1,740	1,500	1,560	1,230	1,310	1,090	898	808	836	976	3,660
12	2,840	1,740	1,450	1,500	1,270	1,270	1,060	915	808	851	1,090	3,440
13	2,940	1,680	1,450	1,500	1,310	1,310	1,030	898	808	882	1,230	3,340
14	2,840	1,680	1,450	1,450	1,310	1,310	1,030	882	794	882	1,270	3,240
15	2,840	1,680	1,450	1,450	1,310	1,310	1,000	866	794	915	1,310	3,140
16	2,660	1,680	1,450	1,450	1,400	1,310	1,000	866	794	976	1,310	3,040
17	2,600	1,680	1,400	1,450	1,400	1,270	976	866	794	1,030	1,310	2,940
18	2,500	1,620	1,400	1,400	1,450	1,270	976	851	794	1,030	1,270	2,840
19	2,500	1,620	1,450	1,400	1,400	1,270	976	851	794	1,090	1,190	2,750
20	2,400	1,620	1,450	1,400	1,400	1,270	953	851	794	1,190	1,270	2,660
21	2,400	1,620	1,450	1,350	1,350	1,310	953	866	780	1,190	1,270	2,660
22	2,300	1,620	1,400	1,350	1,350	1,270	953	898	780	1,190	1,310	2,940
23	2,200	1,560	1,400	1,350	1,350	1,270	953	866	780	1,150	1,310	3,040
24	2,200	1,560	1,400	1,350	1,350	1,270	933	898	780	1,120	1,400	2,940
25	2,100	1,560	1,400	1,350	1,310	1,270	933	933	780	1,120	1,600	2,940
26	2,100	1,560	1,400	1,310	1,310	1,230	933	898	780	1,120	1,620	2,840
27	2,000	1,560	1,400	1,310	1,310	1,230	915	866	780	1,060	1,620	2,750
28	2,000	1,560	1,400	1,310	1,350	1,230	915	851	780	1,030	1,880	2,750
29	1,900	1,560	1,400	1,310	-	1,230	933	836	794	1,000	2,160	2,840
30	1,900	1,560	1,400	1,310	-	1,230	933	822	780	1,000	2,320	2,750
31	1,880	-	1,400	1,310	-	1,230	-	822	-	1,030	2,320	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	75,550	2,940	1,880	2,437		
November	50,350	1,880	1,560	1,678		
December	45,080	1,560	1,400	1,454		
Calendar year 1934	742,010	6,190	1,180	2,030		
January	43,920	1,560	1,310	1,417		
February	36,660	1,450	1,230	1,309		
March	39,810	1,350	1,230	1,284		
April	31,565	1,270	915	1,052		
May	27,299	933	822	881		
June	24,046	851	780	802		
July	29,524	1,190	767	952		
August	40,500	2,320	915	1,306		
September	90,700	4,100	1,880	3,023		
Water year 1934-35	535,004	4,100	767	1,466		

North Fork of Black Creek near Middleburg, Fla.

Location.- Staff gage, lat. 30°7'10", long. 81°54'35", in sec. 28, T. 4 S., R. 24 E., about 4 miles northwest of Middleburg.

Drainage area.- 207 square miles.

Records available.- November 1931 to September 1935.

Extremes.- Maximum discharge observed during year, 3,340 second-feet Sept. 6 (gage height, 16.38 feet); minimum observed, 3.6 second-feet June 8 (gage height, 0.26 foot).

1931-35: Maximum observed discharge, 6,720 second-feet Sept. 6, 1933 (gage height, 19.35 feet); minimum, that of June 8, 1935.

Maximum stage known, 25.3 feet in June 1919, revised, (discharge, estimated, 18,000 second-feet).

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.2	3	1.4	54	3.5	247	6.5	628	11.0	1,240
.4	6	1.6	70	4.0	300	7.0	695	12.0	1,370
.6	10	1.8	86	4.5	360	7.5	762	13.0	1,520
.8	17	2.0	103	5.0	425	8.0	830	14.0	1,770
1.0	26	2.5	148	5.5	492	9.0	965	15.0	2,250
1.2	40	3.0	197	6.0	560	10.0	1,100	16.0	3,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	17	22	24	22	26	9.6	6.0	4.4	7.8	267	520
2	33	16	25	24	22	24	9.6	6.0	4.4	6.4	157	373
3	66	16	24	24	21	23	9.6	6.0	4.4	5.6	103	324
4	54	17	22	22	21	22	12.7	5.4	4.4	5.0	66	267
5	78	18	20	32	21	21	14	5.2	4.0	4.4	47	965
6	66	18	20	112	20	22	15	4.8	3.9	6.6	36	3,000
7	74	17	19	112	20	21	14	4.8	3.8	28	22	1,610
8	121	15	19	90	20	21	13.0	5.0	3.7	62	17	978
9	227	15	19	86	20	21	12.7	10.6	5.8	58	13.0	492
10	257	14	19	86	21	21	12.1	12.1	7.4	47	12.4	324
11	177	14	19	74	20	21	10.3	9.4	7.8	62	31	267
12	237	14	19	58	22	21	9.8	10.6	10.3	66	25	312
13	237	13	19	50	27	32	9.0	9.0	8.2	50	19	668
14	177	13	19	41	30	42	8.6	8.2	6.4	39	21	924
15	130	13	19	36	28	36	8.0	7.0	5.8	47	30	560
16	103	13	19	32	86	32	7.8	6.2	7.2	130	50	336
17	82	13	19	29	98	27	7.6	5.2	6.9	103	54	386
18	70	14	19	27	74	24	7.6	5.2	8.0	82	41	898
19	58	13	23	26	58	22	7.2	4.8	7.2	74	26	1,290
20	54	13	30	24	50	21	7.0	5.0	6.8	70	26	938
21	47	13	30	24	42	19	6.8	5.4	5.4	78	41	533
22	42	14	30	24	34	18	6.8	5.2	4.8	54	35	776
23	38	14	27	26	30	17	6.4	5.4	5.4	39	44	1,370
24	36	14	26	27	26	16	6.4	12.7	8.2	58	40	978
25	32	14	25	27	24	14	6.4	11.2	12.7	86	43	600
26	29	16	24	27	23	13.0	6.2	12.4	8.0	86	90	348
27	24	20	24	26	25	12.4	6.0	8.6	6.8	54	197	247
28	26	22	23	26	27	11.5	6.2	7.2	7.6	90	348	227
29	26	23	24	24	-	10.9	6.4	6.2	7.6	187	479	479
30	19	26	23	24	-	10.0	6.4	5.2	7.8	108	438	373
31	17	-	23	22	-	10.0	-	4.8	-	278	641	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,660	257	17	85.8	0.414	0.48
November	472	26	13.0	15.7	.076	.08
December	693	30	19	22.4	.108	.12
Calendar year 1934	51,385	5,000	13.0	141	.681	9.21
January	1,286	112	22	41.5	.200	.23
February	932	98	20	33.3	.161	.17
March	651.8	42	10.0	21.0	.101	.12
April	269.2	15	6.0	8.97	.043	.05
May	220.8	12.7	4.8	7.12	.034	.04
June	195.0	12.7	3.7	6.50	.031	.03
July	2,091.8	278	4.4	67.5	.326	.38
August	3,459.4	641	12.4	112	.541	.62
September	21,363	3,000	227	712	3.44	3.64
Water year 1934-35	34,294.0	3,000	3.7	94.0	.454	6.16

Lake Okeechobee at St. Lucie Canal, Fla.

Location.- Staff gage, lat. 26°59', long. 80°37', in sec. 22, T. 40 S., R. 37 E., on east shore of Lake Okeechobee at entrance to St. Lucie Canal, 8 miles north of Canal Point. Zero of gage is at mean sea level, Punta Rassa datum.

Records available.- October 1931 to September 1935 in reports of U. S. Geological Survey; from 1915 to 1931 in reports or in office of Everglades Drainage District.

Extremes.- Maximum stage observed during year, 16.85 feet Oct. 8, 9, 12; minimum stage, 14.10 feet Sept. 3.
1931-35: Maximum observed stage, 21.5 feet (Punta Rassa datum) Sept. 4, 1933; minimum observed stage, 11.7 feet (Punta Rassa datum) May 17, 1932.

Remarks.- Abrupt changes in stage frequently caused by wind. Gage-height record furnished by Okeechobee Flood Control District.

Elevation, in feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16.70	16.65	16.50	16.30	15.90	15.65	15.40	15.30	14.80	14.75	14.75	14.70
2	16.70	16.70	16.50	16.20	16.00	15.65	15.50	15.20	14.70	14.65	14.80	14.70
3	16.70	16.65	16.45	16.20	16.05	15.65	15.50	15.00	14.65	14.75	14.80	14.10
4	16.65	16.65	16.50	16.25	16.00	15.70	15.55	15.15	14.65	14.65	14.80	14.84
5	16.70	16.70	16.40	16.20	16.20	15.75	15.55	15.05	14.80	14.70	14.80	15.00
6	16.75	16.50	16.40	16.45	15.85	15.75	15.45	15.00	14.75	14.70	14.80	15.15
7	16.75	16.55	16.45	16.30	15.90	15.75	15.25	15.30	14.75	14.80	14.70	15.15
8	16.85	16.65	16.55	16.30	15.90	15.75	15.55	15.25	14.70	14.90	14.70	15.25
9	16.85	16.60	16.45	16.25	15.85	15.70	15.40	15.20	14.80	14.70	14.80	15.25
10	16.80	16.65	16.45	16.35	15.90	15.55	15.35	15.20	14.80	14.75	14.65	15.35
11	16.80	16.65	16.65	16.30	15.90	15.70	15.55	15.25	14.75	14.75	14.65	15.35
12	16.85	16.65	16.25	16.25	15.85	15.75	15.45	15.20	14.75	14.75	14.65	15.35
13	16.80	16.50	16.40	16.20	15.95	15.75	15.40	15.15	14.75	14.75	14.65	15.45
14	16.75	16.65	16.35	16.30	15.95	15.60	15.30	15.10	14.80	14.70	14.65	15.45
15	16.60	16.60	16.30	16.25	15.95	15.55	15.25	15.15	14.70	14.70	14.60	15.45
16	16.65	16.55	16.30	16.20	15.95	15.45	15.40	15.10	14.60	14.70	14.55	15.45
17	16.65	16.50	16.35	16.35	16.05	15.60	15.25	15.15	14.64	14.80	14.50	15.45
18	16.60	16.50	16.35	16.30	15.95	15.55	15.20	15.15	14.75	14.80	14.50	15.45
19	16.60	16.50	16.30	16.20	15.90	15.55	15.25	15.00	14.60	14.80	14.45	15.60
20	16.60	16.50	16.25	16.15	15.95	15.60	15.25	15.15	14.75	14.80	14.55	15.65
21	16.55	16.50	16.30	16.20	15.95	15.60	15.25	15.10	14.75	14.80	14.50	15.75
22	16.50	16.50	16.35	16.20	15.90	15.55	15.25	15.15	14.65	14.70	14.55	15.90
23	16.60	16.50	16.25	16.75	15.90	15.50	15.20	15.05	14.75	14.80	14.55	15.80
24	16.55	16.50	16.25	13.25	15.80	15.50	15.15	15.20	14.65	14.80	14.65	15.75
25	16.55	16.50	16.30	16.15	15.85	15.55	15.20	15.15	14.75	14.80	14.65	15.55
26	16.55	16.50	16.25	16.15	15.90	15.65	15.00	14.80	14.75	14.80	14.70	15.75
27	16.65	16.50	16.25	16.00	16.05	15.55	15.10	14.75	14.75	14.80	14.60	15.75
28	16.65	16.50	16.25	16.00	15.85	15.40	15.20	14.85	14.75	14.60	14.75	15.75
29	16.65	16.50	16.30	16.05	-	15.45	15.40	14.85	14.80	14.75	14.60	15.80
30	16.65	16.50	16.30	16.00	-	15.40	15.45	14.85	14.80	14.60	14.70	15.85
31	16.65	-	16.30	16.00	-	15.55	-	14.80	-	14.70	14.60	-

Kissimmee River below Lake Kissimmee, Fla.

Location.- Water-stage recorder, lat. 27°46', long. 81°11', in sec. 24, T. 31 S., R. 31 E., 3 miles below Vero Bridge on State Highway 30 and 3 miles below Lake Kissimmee. Zero of gage is 1.14 feet below mean sea level (unadjusted), U. S. Coast and Geodetic Survey datum.

Drainage area.- 1,850 square miles.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge during year, 1,790 second-feet Oct. 2 (gage height, 53.70 feet); no flow Sept. 3, 4, owing to hurricane winds blowing upstream; minimum observed gage height, 46.10 feet Sept. 4.
1933-35: Maximum discharge, 7,150 second-feet June 24, 1934 (gage height, 56.26 feet); minimum discharge, that of Sept. 3, 4, 1935; minimum gage height, that of Sept. 4, 1935.

Remarks.- Records good except those estimated Sept. 3, 4, which are poor. Above gage height, 54.00 feet (discharge about 2,000 second-feet) discharge determined from readings of staff gage at bridge 3 miles upstream. Record of gage heights at bridge furnished by Okeechobee Flood Control District.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

47.2	161	48.5	330	50.5	596	52.5	1,160
47.4	187	49.0	395	51.0	691	53.0	1,370
47.6	213	49.5	460	51.5	810	53.5	1,650
47.8	239	50.0	525	52.0	970	54.0	2,030
48.0	265						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,720	1,240	935	713	631	525	421	369	252	194	239	265
2	1,720	1,240	900	736	650	512	421	356	246	200	239	265
3	1,720	1,200	900	713	596	512	421	356	239	206	239	174
4	1,720	1,200	900	713	596	499	421	343	239	213	239	69
5	1,720	1,200	900	691	596	499	421	343	246	206	252	265
6	1,650	1,240	870	713	580	499	421	330	239	206	265	298
7	1,650	1,200	870	713	580	499	421	324	239	206	252	310
8	1,650	1,160	900	713	580	499	434	324	239	1e7	232	317
9	1,650	1,160	840	691	580	499	434	330	232	180	226	310
10	1,590	1,160	840	691	580	486	434	330	232	200	232	317
11	1,590	1,120	900	691	565	473	421	324	226	206	226	317
12	1,590	1,160	870	691	565	447	421	324	220	213	220	324
13	1,590	1,120	810	691	565	499	434	324	220	220	226	356
14	1,590	1,120	810	691	551	499	421	317	213	220	226	382
15	1,530	1,080	785	670	551	486	408	310	206	220	220	408
16	1,470	1,080	785	670	551	473	408	310	200	239	220	421
17	1,470	1,040	785	670	565	473	395	310	194	265	232	447
18	1,470	1,040	785	650	565	473	395	304	200	265	226	447
19	1,470	1,040	760	650	565	473	395	284	206	258	226	460
20	1,470	1,000	785	631	565	460	382	284	200	272	232	473
21	1,420	970	785	631	551	460	382	298	200	258	232	473
22	1,420	970	760	631	551	460	382	291	200	246	226	473
23	1,420	970	760	670	551	447	382	284	200	246	226	512
24	1,370	1,000	760	670	538	447	369	284	194	265	226	538
25	1,370	970	760	670	525	447	369	304	200	252	239	551
26	1,370	970	760	650	525	447	382	298	200	258	252	551
27	1,320	970	736	631	565	434	382	278	194	252	258	551
28	1,320	935	736	631	580	434	369	265	194	246	258	580
29	1,280	935	736	631	-	434	369	265	194	252	258	596
30	1,280	900	736	613	-	421	369	258	200	252	258	596
31	1,280	-	736	631	-	421	-	258	-	246	258	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	46,880	1,720	1,280	1,512	0.817	0.94
November	32,390	1,240	900	1,080	584	.65
December	25,195	935	736	813	439	.51
Calendar year 1934	649,712	6,750	608	1,780	.962	13.08
January	20,851	736	613	673	.364	.42
February	15,963	650	525	570	.308	.32
March	14,637	525	421	472	.255	.29
April	12,084	434	369	403	.218	.24
May	9,579	369	258	309	.167	.19
June	6,464	252	194	215	.116	.13
July	7,149	272	180	231	.125	.14
August	7,360	265	220	237	.128	.15
September	12,046	596	69	402	.217	.24
Water year 1934-35	210,598	1,720	69	577	.312	4.22

Kissimmee River near Okeechobee, Fla.

Location.- Staff gage, lat. 27°14', long. 80°59', in sec. 24, T. 37 S., R. 33 E., at bridge on State Highway 8, about 10 miles west of Okeechobee. Zero of gage is at mean sea level, Okeechobee Flood Control District datum, and 1.33 feet below mean sea level, U. S. Coast and Geodetic Survey datum.

Drainage area.- 3,260 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge observed during year, 3,790 second-feet Oct. 1-3; maximum gage height observed, 26.14 feet Oct. 1; minimum discharge observed, 267 second-feet June 17-19; minimum gage height observed, 17.78 feet June 18.

1930-35: Maximum observed discharge, 15,600 second-feet Sept. 9, 1933 (gage height, 29.32 feet); minimum observed discharge, 231 second-feet May 18, 1932; minimum observed gage height, 17.78 feet June 18, 1935.

The flood of August 1928, resulting from hurricane, reached a peak stage of 30.3 feet (discharge from extension of rating curve, 20,000 second-feet).

Remarks.- Records good except those for November, which are fair. Gage-height record furnished by Okeechobee Flood Control District.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,790	2,280	1,710	1,330	1,010	840	561	581	312	376	563	689
2	3,790	2,280	1,710	1,330	1,010	840	617	581	297	360	545	689
3	3,790	2,280	1,660	1,330	986	820	617	545	282	344	511	707
4	3,580	2,280	1,660	1,330	986	820	617	528	282	328	494	820
5	3,580	2,390	1,660	1,330	964	801	617	494	282	312	477	840
6	3,390	2,280	1,610	1,300	964	801	617	477	282	312	477	840
7	3,390	2,280	1,610	1,300	942	801	653	460	312	328	494	880
8	3,390	2,280	1,570	1,280	942	782	635	443	328	328	494	920
9	3,390	2,280	1,570	1,280	942	782	617	443	312	344	511	942
10	3,200	2,280	1,570	1,250	942	763	617	443	312	344	494	964
11	3,200	2,280	1,530	1,230	920	744	617	443	328	344	477	1,010
12	3,200	2,280	1,530	1,230	920	725	617	477	376	344	477	1,030
13	3,200	2,280	1,490	1,230	920	725	599	477	344	376	477	1,070
14	3,030	2,180	1,490	1,210	920	707	581	460	297	392	477	1,100
15	3,030	2,180	1,490	1,180	900	707	581	443	282	426	477	1,120
16	2,860	2,080	1,450	1,180	900	689	563	426	282	494	477	1,140
17	2,860	2,080	1,450	1,160	986	671	563	426	267	528	494	1,160
18	2,860	2,080	1,450	1,160	986	671	545	409	267	545	494	1,180
19	2,710	2,080	1,450	1,140	964	671	545	409	267	563	494	1,180
20	2,710	1,990	1,420	1,140	964	671	528	409	282	563	511	1,210
21	2,560	1,990	1,420	1,140	942	653	528	392	297	581	511	1,230
22	2,560	1,900	1,420	1,120	942	653	511	392	312	599	528	1,330
23	2,560	1,900	1,390	1,120	920	653	511	376	328	617	528	1,420
24	2,430	1,900	1,390	1,100	900	635	511	376	328	599	545	1,570
25	2,430	1,830	1,390	1,070	900	635	511	376	360	581	528	1,710
26	2,430	1,830	1,390	1,070	880	617	563	376	376	581	545	1,990
27	2,300	1,830	1,390	1,050	880	617	545	360	360	581	563	2,390
28	2,300	1,770	1,360	1,050	860	617	545	344	344	581	599	2,500
29	2,300	1,770	1,360	1,050	-	599	545	344	360	563	635	2,500
30	2,300	1,770	1,360	1,030	-	599	563	328	376	545	671	2,500
31	2,300	-	1,360	1,030	-	581	-	312	-	545	689	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	91,420	3,790	2,300	2,949	0.905	1.04
November	62,910	2,390	1,770	2,097	.643	.72
December	46,310	1,710	1,360	1,494	.458	.53
Calendar year 1934	1,038,100	9,000	1,080	2,844	.872	11.86
January	36,750	1,330	1,030	1,185	.363	.42
February	26,292	1,010	860	939	.288	.30
March	21,890	840	561	706	.217	.25
April	17,260	653	511	575	.176	.20
May	13,350	561	312	431	.132	.15
June	9,434	376	267	314	.096	.11
July	14,324	617	312	462	.142	.16
August	16,257	689	477	524	.161	.19
September	38,631	2,500	689	1,288	.395	.44
Water year 1934-35	394,828	3,790	267	1,082	.332	4.51

Istokpoga Canal near Cornwell, Fla.

Location.- Water-stage recorder, lat. 27°24', long. 81°9', in sec. 30 (revised), T. 35 S., R. 32 E., at highway bridge a quarter of a mile east of Seaboard Air Line Railway bridge, 1⅛ miles above junction with Kissimmee River, and 3 miles northwest of Cornwell.

Drainage area.- 660 square miles.

Records available.- March 1934 to September 1935.

Extremes.- Maximum discharge during year, 647 second-feet Sept. 29, 30; maximum gage height, 6.65 feet Oct. 1; minimum, 18 second-feet June 4 (gage height, 2.56 feet).
1934-35: Maximum discharge, 755 second-feet June 22, 1934; maximum gage height, 8.59 feet June 21, 1934; minimum, that of June 4, 1935.
Maximum stage known, 10.1 feet in September 1933 (discharge not determined).

Remarks.- Records excellent except those for February and August, which are good, and those estimated for Aug. 26 to Sept. 11, which are fair. Estimates based on gage-height comparisons with Kissimmee River at Fort Bassenger, Fla.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	526	439	326	261	232	180	132	110	31	81	142	195
2	526	439	326	261	232	180	132	105	24	79	141	207
3	526	439	326	261	229	179	129	102	22	75	142	223
4	526	422	326	261	234	176	132	100	23	73	141	234
5	526	422	326	251	229	174	129	97	31	73	140	241
6	526	422	311	251	225	170	129	89	30	73	141	251
7	526	422	311	251	227	170	137	91	34	75	138	259
8	513	422	311	251	227	166	141	100	33	76	137	262
9	513	403	311	251	223	162	135	97	41	76	137	268
10	513	403	297	251	223	160	133	96	41	79	137	273
11	513	403	297	251	221	160	132	98	50	79	137	282
12	513	403	297	251	219	160	133	97	48	86	137	289
13	500	403	297	242	215	156	133	92	47	88	140	292
14	500	383	297	242	211	152	128	91	46	97	141	311
15	500	383	297	242	207	148	124	87	42	101	140	314
16	500	383	297	242	209	148	126	85	39	106	140	339
17	486	383	284	242	223	148	119	82	36	111	141	377
18	486	383	284	239	225	146	115	73	38	115	141	393
19	486	362	284	239	223	144	114	68	46	116	138	413
20	486	362	284	239	219	142	111	71	53	118	137	474
21	471	362	284	239	213	141	114	85	64	116	137	502
22	471	362	284	234	209	142	114	76	70	118	137	540
23	471	362	284	246	204	140	107	70	71	122	141	575
24	471	362	284	239	200	138	105	74	74	129	148	615
25	456	343	272	237	197	137	105	69	83	129	148	632
26	456	343	272	232	198	137	115	51	82	132	149	647
27	456	343	272	232	200	135	114	39	87	132	155	632
28	456	343	272	234	188	131	116	35	83	133	159	632
29	456	343	272	232	-	127	116	37	85	133	166	647
30	439	326	272	232	-	126	118	35	81	138	177	647
31	439	-	261	232	-	126	-	34	-	141	187	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	15,233	526	439	491	0.744	0.86
November	11,570	439	326	386	.585	.65
December	9,118	326	261	294	.445	.51
Calendar year						
January	7,568	261	232	244	.370	.43
February	6,062	234	188	216	.327	.34
March	4,701	180	126	152	.230	.27
April	3,688	141	105	123	.186	.21
May	2,436	110	34	78.6	.119	.14
June	1,535	87	22	51.2	.078	.09
July	3,200	141	73	103	.156	.18
August	4,492	187	137	145	.220	.25
September	11,966	647	195	399	.605	.68
Water year 1934-35	81,569	647	22	223	.338	4.61

St. Lucie Canal at Lock 1, at Lake Okeechobee, Fla.

Location.- Slope station, lat. 26°59', long. 80°36', upper gage is water-stage recorder at Florida East Coast Railway Co. bridge in sec. 23, T. 40 S., R. 37 E., two-thirds of a mile below Lock 1, at Lake Okeechobee; lower gage is water-stage recorder at highway bridge in sec. 4, T. 40 S., R. 39 E., 1½ miles east of Indiantown and 11 miles below Lock 1.
Zero of gages is at mean sea level, Punto Rassa datum.

Records available.- April 1931 to September 1935.

Extremes.- Maximum daily discharge during year, 4,540 second-feet Oct. 4; minimum daily discharge, 50 second-feet on several days during January, February, March, April, June, July, and August.
1931-35: Maximum daily discharge recorded, 4,990 second-feet Apr. 1, 1931; practically no flow (50 second-feet or less, consisting of leakage) on several days each year when canal is closed.

Remarks.- Records good above 3,000 second-feet, fair between 3,000 and 1,000 second-feet, and poor below 1,000 second-feet.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,480	170	120	90	495	90	50	135	100	80	175	170
2	4,480	140	160	200	1,800	105	55	130	125	95	50	275
3	4,470	180	170	125	910	140	50	115	145	110	50	485
4	4,540	220	150	140	475	150	50	230	100	90	125	1,060
5	4.420	220	150	160	240	115	105	160	100	50	50	660
6	3,720	220	150	120	535	125	50	300	110	315	50	550
7	3,690	220	110	130	100	150	50	300	140	195	130	310
8	3,690	240	120	120	90	620	60	100	150	190	230	250
9	4,000	240	120	105	60	920	105	75	130	280	90	300
10	4,370	250	100	105	60	150	100	60	125	375	290	240
11	4,470	230	105	110	75	110	100	65	150	250	125	75
12	4,490	200	85	170	70	70	75	60	175	250	165	440
13	4,490	200	80	110	75	110	90	85	225	220	130	810
14	4,430	180	110	100	75	100	70	110	220	215	165	600
15	4,370	230	130	95	145	105	90	240	220	205	250	225
16	4,400	200	150	125	320	170	50	200	185	350	150	250
17	4,420	210	105	75	580	250	100	280	210	110	120	360
18	4,410	200	105	90	2,070	280	90	470	155	75	140	360
19	4,410	220	110	100	445	50	80	405	100	110	240	550
20	4,390	200	600	80	90	70	490	325	70	110	220	815
21	4,470	250	630	75	120	50	50	460	50	140	385	1,400
22	4,450	230	150	50	265	60	50	475	50	155	870	870
23	4,220	150	80	50	1,760	50	95	490	50	110	210	625
24	4,300	150	100	80	750	50	100	460	50	110	140	1,620
25	4,410	180	305	85	110	50	100	440	95	100	140	1,340
26	4,010	210	2,130	60	50	50	155	160	80	110	170	1,500
27	1,890	170	2,230	50	55	50	150	190	50	125	130	1,820
28	390	150	100	80	90	50	110	165	50	55	140	2,070
29	360	190	110	60	-	50	95	160	75	50	155	2,460
30	320	160	120	120	-	60	75	160	50	80	110	2,410
31	250	-	125	700	-	50	-	150	-	50	100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	115,210	4,540	250	3,716		
November	6,010	250	140	200		
December	9,010	2,230	80	291		
Calendar year 1934	686,330	4,540	50	1,880		
January	3,760	700	50	121		
February	11,910	2,070	50	425		
March	4,450	920	50	144		
April	2,890	490	50	96.3		
May	7,155	490	60	231		
June	3,535	225	50	118		
July	4,760	375	50	154		
August	5,495	870	50	177		
September	24,900	2,460	75	830		
Water year 1934-35	199,085	4,540	50	545		

Fisheating Creek at Palmdale, Fla.

Location.- Staff gage, lat. 26°56', long. 81°19', in sec. 3, T. 41 S., R. 30 E., at highway bridge 1 mile south of Palmdale. Zero of gage is 27.19 feet above mean sea level (revised), U. S. Coast and Geodetic Survey datum.

Drainage area.- 305 square miles.

Records available.- April 1931 to September 1935.

Extremes.- Maximum discharge observed during year, 1,480 second-feet Sept. 7 (gage height, 6.42 feet); no flow Feb. 6-16 and Mar. 14 to Aug. 2; minimum gage height observed, 0.30 foot July 8 and 14.
1931-35: Maximum discharge, 6,460 second-feet Sept. 6, 1933 (gage height, 8.60 feet); no flow at times each year.

Remarks.- Records poor. Gage-height record and results of some discharge measurements furnished by the Okeechobee Flood Control District.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	240	41	2.4	0.5	0.1	0.6					0	25
2	225	36	2.4	.5	.1	.4					0	23
3	210	34	2.4	.5	.1	.3					1.9	66
4	225	32	2.2	.5	.1	.2					3.5	170
5	195	32	2.2	.5	.1	.2					8.4	320
6	195	30	1.9	.5	0	.1					13	1,340
7	180	28	1.5	.5	0	.1					6.4	1,480
8	170	24	1.5	.5	0	.1					6.0	1,400
9	170	24	1.3	.5	0	.1					4.7	1,210
10	152	21	1.3	.4	0	.1					3.6	1,030
11	152	21	1.2	.4	0	.1					3.5	870
12	143	19	1.1	.4	0	.1					2.7	720
13	143	19	1.0	.4	0	.1					3.1	590
14	136	17	1.0	.4	0	0					6.8	550
15	129	16	.8	.3	0	0					12	590
16	123	15	.8	.3	0	0					15	770
17	112	14	.8	.3	.8	0					19	770
18	106	13	.8	.3	1.6	0					22	675
19	101	11	.7	.3	1.5	0					22	550
20	101	9.6	.7	.3	1.1	0					19	515
21	92	8.8	.7	.3	.8	0					15	450
22	87	7.2	.8	.2	.7	0					18	420
23	82	5.4	.7	.3	.8	0					22	450
24	78	5.0	.7	.3	1.0	0					15	450
25	70	4.6	.8	.2	1.1	0					14	370
26	66	4.0	.8	.2	1.0	0					18	345
27	58	3.6	.7	.2	.9	0					13	280
28	55	3.0	.7	.1	.7	0					8.6	260
29	48	2.5	.7	.1	-	0					7.4	260
30	45	2.3	.7	.1	-	0					8.6	240
31	41	-	.6	.1	-	0					21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,930	240	41	127	0.416	0.48
November	503.0	41	2.3	16.8	.055	.06
December	36.0	2.4	.6	1.16	.0038	.004
Calendar year 1934	28,388.4	870	0	77.8	.255	3.48
January	10.4	.5	.1	.335	.0011	.001
February	12.5	1.6	0	.446	.0015	.002
March	2.5	.6	0	.081	.00027	.0003
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	333.2	22	0	10.7	.035	.04
September	17,189	1,480	23	573	1.88	2.10
Water year 1934-35	22,016.6	1,480	0	60.3	.198	2.69

Caloosahatchee River near Citrus Center, Fla.

Location.- Water-stage recorder, lat. 26°47', long. 81°19', in sec. 27, T. 42 S., R. 30 E., at Atlantic Coast Line Railroad bridge 4 miles below Lock 2 and 4½ miles southwest of Citrus Center. Staff gage at Lock 3, 5 miles downstream. Zero of gage is at mean sea level, Punta Rassa datum.

Drainage area.- Indeterminate.

Records available.- April 1934 to September 1935.

Extremes.- Maximum discharge during year, 1,200 second-feet Sept. 9 (gage height, 14.60 feet); minimum mean daily discharge, 20 second-feet Mar. 13, 17; minimum stage, 5.71 feet Mar. 14.

1934-35: Maximum discharge, that of Sept. 9, 1935; minimum mean daily discharge, that of Mar. 13 and 17, 1935; minimum stage, that of Mar. 14, 1935.

Maximum stage known, 20.5 feet in November 1924 (discharge not determined).

Remarks.- Records fair below 1,000 second-feet and good above. Record includes some flow from Lake Okeechobee.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	690	350	236	98	119	173	124	185	130	167	128	900
2	656	340	240	132	129	278	130	162	128	216	119	930
3	650	332	282	116	140	324	146	165	110	197	130	1,030
4	637	325	293	132	150	134	124	150	110	142	114	1,100
5	570	328	228	140	146	150	132	154	110	136	159	1,150
6	562	349	167	128	155	121	138	138	134	169	124	1,170
7	657	347	158	122	160	91	110	129	132	169	134	1,190
8	679	362	115	178	123	78	106	179	165	152	117	1,190
9	620	316	107	223	132	53	135	232	128	117	127	1,190
10	673	294	80	167	132	35	120	190	160	102	155	1,190
11	592	275	41	147	132	30	119	188	128	110	162	1,180
12	572	252	35	128	135	21	119	160	120	94	140	1,180
13	560	327	45	155	135	20	110	185	136	79	120	1,160
14	607	338	46	190	128	30	155	165	143	124	165	1,160
15	640	293	89	166	119	33	160	170	143	94	124	1,140
16	630	290	264	151	123	30	155	137	136	130	140	1,130
17	573	296	296	135	115	20	146	200	133	127	144	1,110
18	475	287	120	118	130	38	190	250	133	117	130	1,100
19	450	270	52	120	198	47	142	229	121	134	170	1,090
20	462	270	55	148	370	42	170	229	120	130	180	1,070
21	440	256	80	104	326	46	130	227	121	117	180	1,050
22	410	238	134	127	437	40	170	248	120	127	253	1,040
23	383	234	55	139	412	64	162	260	160	108	261	1,040
24	360	268	34	124	364	83	155	230	129	122	440	1,030
25	334	262	31	134	325	380	138	199	118	130	590	1,030
26	372	262	53	94	279	128	143	188	120	118	535	1,030
27	408	254	132	75	236	135	143	174	131	110	494	1,020
28	390	240	96	101	198	120	138	172	240	110	440	1,010
29	377	234	89	119	-	100	123	120	190	102	390	1,000
30	370	270	107	128	-	111	140	140	162	128	379	988
31	362	-	92	133	-	116	-	190	-	162	710	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	16,161	690	334	521		
November	8,759	362	234	292		
December	3,852	296	31	124		
Calendar year						
January	4,172	223	75	135		
February	5,548	437	115	198		
March	3,071	380	20	99.1		
April	4,173	190	106	139		
May	5,725	260	120	185		
June	4,111	240	110	137		
July	4,040	216	79	130		
August	7,454	710	114	240		
September	32,598	1,190	900	1,087		
Water year 1934-35	99,664	1,190	20	273		

Peace Creek at Zolfo Springs, Fla.

Location.- Water-stage recorder at bridge on U. S. Highway 17, lat. 27°30', long. 81°48', in sec. 22, T. 34 S., R. 25 E., 0.8 mile north of Zolfo Springs.

Drainage area.- 785 square miles.

Records available.- September 1933 to September 1935.

Extremes.- Maximum discharge during year, 6,550 second-feet Sept. 7 (gage height, 13.20 feet); minimum discharge, 67 second-feet Apr. 18-21; minimum gage height, 0.55 foot June 5.

1933-35: Maximum discharge, 26,300 second-feet Sept. 6, 1933 (gage height, 20.05 feet); minimum discharge, that of Apr. 18-21, 1935; minimum gage height, that of June 5, 1935.

Remarks.- Records excellent except those for periods March to April and August to September, which are good, and those estimated Oct. 1-18 and 20-23, which are fair. Estimates based on comparison with record of Peace Creek at Arcadia, Fla.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Feb. 1 to May 16, and July 18 to Sept. 30)

0.4	62	4.5	820	8.5	2,180
.7	81	5.0	960	9.0	2,460
1.0	103	5.5	1,100	9.5	2,780
1.5	156	6.0	1,250	10.0	3,130
2.0	236	6.5	1,400	11.0	3,900
2.5	334	7.0	1,560	12.0	4,880
3.0	446	7.5	1,740	13.0	6,030
3.5	566	8.0	1,940	14.00	7,390
4.0	690				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,100	264	152	138	118	104	71	102	80	183	334	1,070
2	1,000	245	148	135	118	103	73	93	75	324	303	988
3	1,100	236	146	134	118	103	89	87	74	388	264	1,130
4	1,300	236	143	146	118	101	90	81	73	219	245	2,460
5	1,400	245	141	151	117	99	87	79	72	156	228	4,480
6	1,200	236	142	148	113	97	87	80	74	130	228	5,790
7	900	228	142	146	112	97	84	86	74	127	245	6,420
8	850	219	142	143	112	96	121	81	72	160	245	5,790
9	800	216	141	143	112	95	125	80	78	202	254	4,990
10	750	212	140	142	112	94	101	87	86	228	434	4,280
11	700	207	138	140	111	94	89	94	84	293	530	3,430
12	650	202	134	136	111	94	82	90	82	254	434	2,580
13	600	197	134	135	110	92	77	84	78	470	542	2,040
14	550	189	138	133	110	90	73	80	77	400	602	1,780
15	500	188	138	132	110	89	72	82	76	423	554	1,630
16	480	183	136	130	117	89	70	87	76	434	506	1,860
17	460	180	135	130	122	89	68	82	78	690	434	1,940
18	440	175	135	130	118	89	67	83	80	768	366	2,080
19	423	172	135	129	119	87	67	93	80	960	334	2,130
20	420	167	142	128	118	86	67	95	84	960	324	1,990
21	400	162	151	126	116	84	67	114	89	742	313	1,820
22	360	157	148	127	112	84	68	110	114	566	324	1,780
23	340	156	146	127	111	82	68	101	97	518	1,130	1,780
24	334	152	143	126	108	81	70	117	90	470	1,400	1,900
25	324	150	141	125	106	80	74	120	103	470	1,400	1,990
26	313	148	140	125	105	78	135	109	104	482	1,280	1,990
27	303	147	140	125	105	77	163	97	105	423	1,100	1,860
28	293	144	138	124	104	73	126	88	104	482	988	1,740
29	283	150	138	123	-	71	116	83	96	542	876	1,600
30	273	152	138	120	-	70	119	89	98	446	820	1,500
31	264	-	138	120	-	71	-	87	-	377	820	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	19,110	1,400	264	616	0.785	0.90
November	5,715	264	144	190	.242	27
December	4,363	152	134	141	.180	21
Calendar year 1934	336,196	9,850	134	921	1.17	15.93
January	4,117	151	120	133	.169	.19
February	3,163	122	104	113	.144	.15
March	2,739	104	70	88.4	.113	.13
April	2,668	163	67	88.9	.113	.13
May	2,841	120	79	91.6	.117	.13
June	2,553	114	72	85.1	.108	.12
July	13,287	960	127	429	.546	.63
August	17,857	1,400	228	576	.734	.85
September	76,818	6,420	988	2,561	3.26	3.64
Water year 1934-35	155,231	6,420	67	425	.541	7.35

Peace Creek at Arcadia, Fla.

Location.- Water-stage recorder, lat. 81°52', long. 27°12', in sec. 26, T. 37 S., R. 24 E., at bridge on State Highway 18 half a mile west of Arcadia. Zero of gage is 8.25 feet above mean sea level.

Drainage area.- 1,330 square miles.

Records available.- April 1931 to September 1935.

Extremes.- Maximum discharge during year, 9,750 second-feet Sept. 9 (gage height, 12.42 feet); minimum discharge, 70 second-feet Apr. 1 and 2; minimum gage height, -0.21 foot Mar. 31.

1931-35: Maximum discharge, 36,200 second-feet Sept. 9, 1933 (gage height, 17.67 feet); minimum discharge, 56 second-feet May 13-17, 1932; minimum gage height, that of Mar. 31, 1935.

Maximum stage known, 18.3 feet in 1912 (estimated discharge, 43,000 second-feet).

Remarks.- Records good except those for October and those estimated for May 12-17, July 9-12, and Aug. 19-23, which are fair. Estimates based on comparison with records of Peace Creek at Zolfo Springs, Fla.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,420	293	164	151	124	112	71	132	95	120	512	1,730
2	1,320	283	161	151	122	109	70	116	88	204	396	2,050
3	1,420	263	157	151	120	109	77	100	80	339	381	2,480
4	1,620	260	156	151	117	10e	85	92	78	439	333	4,510
5	1,670	263	154	149	115	106	102	86	77	309	298	8,350
6	1,620	268	152	151	113	106	96	82	77	222	342	9,100
7	1,420	253	152	151	112	105	97	84	80	222	390	9,420
8	1,270	246	151	151	112	102	99	89	93	237	384	9,590
9	1,150	239	151	151	112	100	115	87	115	280	360	9,750
10	1,080	237	149	149	112	99	141	87	94	340	387	9,750
11	990	232	146	149	112	99	124	92	90	400	605	9,260
12	922	228	146	148	112	97	106	100	89	440	832	8,500
13	900	220	146	146	112	96	93	90	87	765	878	7,600
14	810	212	146	144	112	94	87	90	83	832	832	6,480
15	745	208	146	141	112	94	81	90	77	900	788	4,880
16	705	202	148	138	112	93	79	90	76	1,040	665	3,320
17	665	200	149	136	138	93	75	90	76	1,520	605	3,020
18	605	198	151	136	144	90	75	82	77	1,730	548	3,020
19	565	194	152	135	143	90	74	80	83	2,150	460	3,020
20	530	192	157	135	140	88	73	100	87	2,690	400	2,960
21	495	180	164	135	136	86	74	110	92	2,480	360	2,960
22	460	175	168	134	130	84	75	120	109	1,780	340	2,690
23	425	169	164	134	128	85	75	116	130	1,320	900	2,590
24	409	169	161	132	124	83	77	110	134	1,100	1,370	2,530
25	396	168	157	130	122	82	81	128	119	1,470	1,940	2,530
26	372	166	154	128	119	80	86	126	138	1,470	2,480	2,530
27	348	164	152	128	113	79	120	112	148	1,150	2,910	2,530
28	336	162	151	128	110	76	177	95	135	878	2,640	2,480
29	315	159	151	128	-	75	151	83	132	788	2,260	2,370
30	300	159	151	128	-	73	134	79	120	725	1,940	2,150
31	296	-	151	126	-	72	-	87	-	585	1,620	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	25,579	1,670	296	825	0.620	0.71
November	6,362	293	159	212	.159	.18
December	4,760	168	146	154	.116	.13
Calendar year 1934	446,254	10,300	146	1,223	.920	12.47
January	4,345	151	126	140	.105	.12
February	3,378	144	110	121	.091	.09
March	2,865	112	72	92.4	.069	.08
April	2,870	177	70	95.7	.072	.08
May	3,025	132	79	97.6	.073	.08
June	2,959	148	76	98.6	.074	.08
July	28,925	2,690	120	933	.702	.81
August	29,156	2,910	298	941	.708	.82
September	144,140	9,750	1,730	4,805	3.61	4.03
Water year 1934-35	258,364	9,750	70	708	.532	7.21

Kissengen Spring near Bartow, Fla.

Location.- Lat. 27°51', long. 81°49', in sec. 28, T. 30 S., R. 25 E., about 4½ miles southeast of Bartow.

Records available.- Discharge measurements from March 1932 to September 1935. Single measurements only during 1917, 1929-31.

Extremes.- 1932-35: Maximum discharge measured, 43.6 second-feet Oct. 11, 1933; minimum, 19.2 second-feet June 11, 1932.

Remarks.- Discharge measurements made about monthly from footbridge at outlet of pool.

Discharge measurements, in second-feet, water year October 1934 to September 1935

Oct. 25	38.9
Dec. 14	35.3
Jan. 15	26.4
Feb. 9	25.0
Apr. 10	22.0
May 18	20.8
June 18	19.5
July 16	20.6
Aug. 10	22.8
Sept.17	21.6

Alafia River at Lithia, Fla.

Location.- Staff gage, lat. 27°52', long. 82°12', in sec. 16, T. 30 S., R. 21 E., at Marvinia Bridge, 1 mile northwest of Lithia.

Drainage area.- 336 square miles.

Records available.- January 1933 to September 1935.

Extremes.- Maximum discharge during year, 12,200 second-feet Sept. 6 (gage height, 18.08 feet, from flood marks); minimum, 13 second-feet June 5, 6, and 10 (gage height, 0.31 foot).

1933-35: Maximum discharge, estimated, 25,000 second-feet Sept. 7, 1933 (gage height, 25.6 feet); minimum, 13 second-feet June 5, 6, 8, 1935 (gage height, 0.31 foot). Minimum discharge for May 27, 1933, 20 second-feet, revised (gage height, 0.50 foot).

Remarks.- Records good. Discharge interpolated Jan. 20.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet) (Shifting-control method used Oct. 1 to Feb. 28, June 18 to Sept. 3, and Sept. 26-30)

0.2	10	2.0	235	6.5	1,040	12.0	2,500
.4	16	2.5	315	7.0	1,140	13.0	3,100
.6	26	3.0	400	7.5	1,240	14.0	3,900
.8	46	3.5	485	8.0	1,350	15.0	5,100
1.0	75	4.0	570	8.5	1,460	16.0	7,000
1.2	107	4.5	660	9.0	1,570	17.0	9,400
1.4	139	5.0	750	9.5	1,680	18.0	11,900
1.6	171	5.5	845	10.0	1,800		
1.8	203	6.0	940	11.0	2,100		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	536	74	57	85	66	50	30	78	16	139	203	434
2	536	74	57	81	62	46	27	64	15	101	187	553
3	1,890	74	57	75	60	46	26	53	14	81	155	588
4	1,500	75	57	72	57	44	57	42	14	72	155	2,960
5	845	85	57	72	53	42	49	39	13	52	123	11,900
6	606	77	57	75	52	40	54	30	13	46	96	9,400
7	468	74	57	81	50	39	44	26	14	46	96	6,780
8	434	70	57	85	52	38	35	25	14	139	93	3,380
9	400	68	57	81	56	37	43	22	14	123	86	2,650
10	383	63	56	75	54	35	44	42	13	131	123	2,460
11	349	63	57	75	56	34	42	37	15	131	179	1,780
12	283	63	57	75	57	35	35	35	18	123	235	1,500
13	267	60	54	74	56	37	28	33	17	147	349	921
14	219	56	60	72	54	42	25	28	18	147	315	1,290
15	187	56	63	69	54	39	22	25	25	299	251	1,780
16	163	56	63	69	56	37	21	21	25	417	203	1,310
17	147	56	63	69	56	35	29	20	21	606	179	1,590
18	147	56	64	66	63	34	19	24	28	642	147	1,610
19	131	56	69	64	72	33	18	25	44	883	139	1,290
20	123	53	81	64	69	35	16	23	60	1,140	131	1,120
21	115	53	85	63	62	37	18	28	75	1,460	203	1,180
22	107	53	85	63	56	34	19	26	97	1,240	315	1,480
23	101	53	81	68	53	31	20	28	104	750	400	1,350
24	97	53	78	68	50	30	22	30	251	696	696	1,440
25	94	56	75	68	47	28	33	53	203	864	807	1,310
26	94	54	81	64	46	27	107	53	163	883	1,270	1,140
27	93	53	78	62	46	26	147	42	171	502	980	750
28	89	53	77	60	53	25	139	28	155	451	826	750
29	83	59	80	62	-	25	139	24	139	349	660	570
30	77	62	81	62	-	26	101	20	101	251	519	434
31	77	-	85	62	-	30	-	18	-	235	417	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	10,641	1,890	77	343	1.02	1.18
November	1,858	85	53	61.9	.184	.21
December	2,086	85	54	67.3	.200	.23
Calendar year 1934	123,650	7,300	40	339	1.01	13.68
January	2,181	85	60	70.4	.210	.24
February	1,568	72	46	56.0	.167	.17
March	1,097	50	25	35.4	.105	.12
April	1,403	147	18	46.8	.139	.16
May	1,042	78	18	33.6	.100	.12
June	1,870	251	13	62.3	.185	.21
July	13,146	1,460	46	424	1.26	1.45
August	10,538	1,270	86	340	1.01	1.16
September	65,700	11,900	434	2,190	6.52	7.27
Water year 1934-35	113,130	11,900	13	310	.923	12.52

Hillsboro River near Harney, Fla.

Location.- Staff gage, lat. 28°3', long. 82°22', on line between secs. 12 and 13, T. 28 S., R. 19 E., at Fowler Street Bridge, 2½ miles north of Harney and 4 miles west of Thonotasassa. Zero of gage is 19.14 feet above mean sea level.

Drainage area.- 525 square miles.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge observed during year, 6,550 second-feet Sept. 8 (gage height, 10.49 feet); minimum discharge, 60 second-feet Apr. 5; minimum gage height observed, 1.75 feet May 7, 19, and June 5.
1933-35: Maximum observed discharge, 11,700 second-feet June 20, 1934 (gage height, 13.42 feet); minimum, that of Apr. 5, 1935.

Remarks.- Records good except those for period Mar. 25 to May 10, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	785	200	102	102	115	125	67	78	75	121	1,060	950
2	680	188	102	102	115	123	64	78	74	128	1,060	895
3	730	178	104	102	115	121	61	75	71	121	950	895
4	1,120	170	100	104	115	117	64	72	71	113	895	1,120
5	1,240	165	100	107	113	117	60	69	71	107	840	2,450
6	1,240	158	100	111	117	109	62	69	74	109	785	4,650
7	1,180	145	99	113	113	109	65	69	80	130	730	6,160
8	1,120	138	99	113	113	105	69	69	75	152	680	6,550
9	1,120	128	96	115	115	105	71	72	72	162	630	6,420
10	1,000	123	96	113	113	104	74	81	72	182	630	6,420
11	1,180	125	96	115	115	102	72	93	77	188	730	6,420
12	840	121	96	115	113	102	72	96	81	195	785	6,420
13	730	117	90	113	113	102	69	87	82	200	785	6,030
14	630	113	92	111	113	102	69	81	77	215	730	5,900
15	585	113	93	109	115	100	67	78	77	245	680	5,540
16	540	109	93	109	121	99	69	77	75	260	630	5,420
17	495	105	93	109	145	99	69	75	90	312	630	5,190
18	450	105	93	109	152	98	68	75	96	472	630	4,970
19	430	100	96	109	150	98	68	74	99	680	630	4,750
20	390	102	102	109	155	96	68	75	107	950	680	4,450
21	390	104	105	107	158	94	72	77	117	1,060	730	4,070
22	370	104	111	113	158	90	72	78	107	1,300	730	3,710
23	370	99	107	115	155	88	72	78	113	1,360	730	3,350
24	350	99	107	113	152	87	72	87	113	1,540	730	2,950
25	330	99	107	111	148	84	74	94	111	1,480	785	2,660
26	312	99	107	111	138	82	78	94	111	1,420	840	2,380
27	278	96	107	113	135	80	78	88	107	1,420	840	2,100
28	260	100	107	113	132	77	78	82	104	1,360	895	1,820
29	245	100	107	113	-	74	78	78	100	1,300	950	1,610
30	230	104	107	113	-	71	77	78	102	1,240	895	1,480
31	215	-	104	111	-	69	-	77	-	1,180	895	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	19,835	1,240	215	640	1.22	1.41
November	3,707	200	96	124	.236	.26
December	3,118	107	90	101	.192	.22
Calendar year 1934	293,690	11,700	90	805	1.53	20.83
January	3,423	115	102	110	.210	.24
February	3,612	158	113	129	.246	.26
March	3,029	125	69	97.7	.186	.21
April	2,099	78	60	70.0	.133	.15
May	2,454	96	69	79.2	.151	.17
June	2,681	117	71	89.4	.170	.19
July	19,702	1,540	107	636	1.21	1.40
August	24,190	1,060	630	780	1.49	1.72
September	117,730	6,550	895	3,924	7.47	8.33
Water year 1934-35	205,580	6,550	60	563	1.07	14.56

Crystal Springs near Zephyrhills, Fla.

Location.- Lat. 28°11', long. 82°10', in sec. 35, T. 26 S., R. 21 E., 1½ miles west of Crystal Springs and 3½ miles south of Zephyrhills, Pasco County.

Records available.- Discharge measurements from October 1934 to September 1935. Miscellaneous measurements during 1933-34.

Extremes.- Maximum discharge measured during year, 92.0 second-feet Aug. 5; minimum, 54.9 second-feet July 10.

Remarks.- Discharge measurements made of river flow above springs and below springs, the difference in flow being spring flow.

Discharge measurements, in second-feet, water year October 1934 to September 1935

	Below springs	Above springs	Difference or spring flow
Oct. 25	-	-	*57.7
Jan. 21	71.22	2.58	68.6
Feb. 8	71.06	1.97	69.1
Mar. 18	66.37	1.97	64.4
Apr. 9	63.53	1.00	62.5
11	64.13	1.15	63.0
May 13	64.57	1.00	63.6
June 15	56.64	1.00	55.6
July 10	56.80	1.89	54.9
Aug. 5	221	128	92.0

*Measurement of spring flow only.

WEEKIWACHEE RIVER BASIN

Weekiwachee Spring near Brooksville, Fla.

Location.- Lat. 28°31', long. 82°34', in sec. 2, T. 23 S., R. 17 E., at head of Weekiwachee River, about 12 miles southwest of Brooksville.

Records available.- Discharge measurements from February 1931 to September 1935. Single measurements only during 1917, 1929-30.

Extremes.- 1931-35: Maximum discharge measured, 231 second-feet May 6, 1931; minimum, 106 second-feet Feb. 14, 1933.

Remarks.- Discharge measurements fair, made about monthly from boat at outlet of pool.

Discharge measurements, in second-feet, water year October 1934 to September 1935

Jan. 14	205
Feb. 8	141
Mar. 19	163
Apr. 11	174
May 21	142
June 14	166
July 9	134
Aug. 12	171

Withlacoochee River at Trilby, Fla.

Location.- Staff gage, lat. 28°29', long. 82°12', in sec. 22, T. 23 S., R. 21 E., at highway bridge 1 mile north of Trilby.

Drainage area.- 780 square miles.

Records available.- August 1928 to February 1929, February 1930 to September 1935.

Extremes.- Maximum discharge observed during year, 2,270 second-feet Sept. 16 (gage height, 12.58 feet); minimum, 19 second-feet July 5 (gage height, 0.00 foot).
1928-29, 1930-35: Maximum observed discharge, 8,840 second-feet June 21, 1934 (gage height, 20.5 feet); minimum, 11 second-feet Apr. 29, May 14-17, 22-24, 1932 (gage height, -0.48 foot).

Remarks.- Records good except those for December, January, July, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	845	310	104	71	65	62	37	31	23	21	444	277
2	875	288	100	71	62	62	37	31	23	22	492	277
3	860	277	96	74	62	62	37	31	23	21	552	277
4	815	267	92	74	62	62	37	29	23	20	590	332
5	800	257	92	78	59	62	39	29	22	19	616	590
6	770	247	88	78	59	62	39	29	22	20	642	615
7	755	237	85	82	56	62	39	27	22	20	642	1,010
8	755	227	85	82	56	59	37	27	22	21	655	1,300
9	740	217	85	85	56	59	37	27	22	22	642	1,760
10	770	207	82	82	56	56	37	29	22	21	642	1,860
11	785	198	82	82	56	56	35	29	22	21	669	1,930
12	770	189	78	82	54	56	35	29	26	22	642	2,000
13	725	180	78	82	54	54	35	29	26	24	629	2,150
14	697	171	74	78	54	54	33	27	26	26	603	2,230
15	669	162	74	78	54	54	33	27	24	35	577	2,230
16	642	162	74	78	54	54	33	26	24	44	552	2,270
17	629	153	71	74	56	54	31	26	23	62	528	2,230
18	603	153	71	74	59	52	31	26	23	68	504	2,230
19	564	144	71	74	68	54	31	24	22	74	480	2,230
20	540	144	78	74	71	52	31	24	23	78	456	2,190
21	516	135	78	74	71	49	29	24	23	88	444	2,190
22	492	135	78	71	68	49	31	24	22	104	456	2,190
23	468	126	74	71	68	46	31	26	21	122	456	2,190
24	444	126	74	71	68	46	31	26	22	144	444	2,190
25	420	122	78	71	65	44	31	26	22	162	420	2,150
26	409	117	78	71	65	44	31	26	21	189	398	2,110
27	398	112	78	71	65	42	31	26	21	207	365	2,040
28	376	112	74	71	65	42	29	24	21	227	343	1,960
29	365	108	74	68	-	39	31	24	20	288	321	1,860
30	343	104	74	68	-	39	31	23	22	343	310	1,790
31	321	-	74	65	-	37	-	23	-	376	288	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	19,161	875	321	618	0.792	0.91
November	5,387	310	104	180	.231	.26
December	2,494	104	71	80.5	.103	.12
Calendar year 1934	279,835	2,840	62	767	.983	13.37
January	2,325	85	65	75.0	.096	.11
February	1,708	71	54	61.0	.078	.08
March	1,625	62	37	52.4	.067	.08
April	1,010	39	29	33.7	.043	.05
May	829	31	23	26.7	.034	.04
June	678	26	20	22.6	.029	.03
July	2,911	376	19	93.9	.120	.14
August	15,802	669	288	510	.654	.75
September	50,858	2,270	277	1,695	2.17	2.42
Water year 1934-35	104,788	2,270	19	287	.368	4.99

Withlacoochee River near Holder, Fla.

Location.- Water-stage recorder, lat. 28°59'15", long. 82°20'50", in sec. 19, T. 17 S., R. 20 E., at Stokes Ferry Bridge, 4½ miles northeast of Holder. Zero of gage is 27.59 feet above mean sea level.

Drainage area.- 1,660 square miles.

Records available.- August 1928 to February 1929; August 1931 to September 1935.

Extremes.- Maximum discharge during year, 3,290 second-feet Sept. 30 (gage height, 8.86 feet); minimum discharge, 180 second-feet June 4; minimum gage height, 0.05 foot June 14.

1928-29, 1931-35: Maximum discharge, 6,740 second-feet July 8-13, 1934; maximum gage height, 11.63 feet July 9-10, 1934; minimum discharge, 144 second-feet Feb. 1, 1933; minimum gage height, -0.37 foot May 14, 1932.

Remarks.- Records fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,080	1,480	785	635	586	566	330	338	270	385	500	1,280
2	2,170	1,440	760	622	574	574	330	330	240	361	510	1,280
3	2,120	1,440	735	622	574	563	330	338	205	345	510	1,280
4	2,220	1,440	735	622	563	552	345	338	191	353	510	1,340
5	2,270	1,400	710	660	552	541	369	330	184	345	530	1,580
6	2,320	1,370	710	735	552	541	385	315	205	330	520	1,720
7	2,320	1,310	710	760	541	530	393	308	233	377	510	1,840
8	2,370	1,280	685	760	541	520	393	308	240	377	510	1,880
9	2,420	1,250	660	760	552	510	385	308	255	377	530	1,920
10	2,420	1,190	660	735	574	510	377	315	270	453	586	1,960
11	2,420	1,160	660	710	586	520	361	330	240	453	598	2,000
12	2,370	1,130	635	710	610	510	369	330	233	436	660	2,000
13	2,320	1,100	622	710	622	490	361	345	226	453	710	2,040
14	2,270	1,070	635	685	622	472	345	338	212	481	810	2,080
15	2,220	1,040	622	685	610	453	322	330	226	500	890	2,120
16	2,170	1,010	622	685	660	436	315	308	233	541	890	2,270
17	2,120	980	622	685	660	436	315	292	248	710	920	2,370
18	2,120	980	622	660	685	436	322	308	270	735	920	2,470
19	2,040	950	622	635	685	427	330	308	285	710	920	2,570
20	2,040	920	622	622	685	410	330	300	292	660	920	2,680
21	2,000	890	622	622	660	385	330	322	308	622	920	2,860
22	1,960	860	622	610	660	369	338	322	330	574	950	2,980
23	1,880	855	622	598	660	353	338	322	338	530	1,010	3,100
24	1,840	810	622	574	660	345	338	330	315	520	1,070	3,160
25	1,800	810	635	574	660	345	330	330	308	510	1,130	3,160
26	1,760	785	635	574	635	330	322	315	330	500	1,190	3,220
27	1,720	785	622	598	635	315	315	292	330	490	1,220	3,220
28	1,650	785	610	586	610	308	322	270	345	481	1,220	3,290
29	1,610	785	610	598	-	300	338	270	322	490	1,250	3,290
30	1,580	785	610	610	-	308	338	270	377	481	1,250	3,290
31	1,550	-	622	598	-	322	-	278	-	481	1,250	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	64,150	2,420	1,550	2,069	1.25	1.44
November	32,070	1,480	785	1,069	.644	.72
December	20,266	785	610	654	.394	.45
Calendar year 1934	640,548	6,740	361	1,755	1.06	14.36
January	20,240	760	574	653	.393	.45
February	17,214	685	541	615	.370	.39
March	13,697	586	300	442	.266	.31
April	10,316	393	315	344	.207	.23
May	9,738	345	270	314	.189	.22
June	8,061	377	184	269	.162	.18
July	15,061	735	330	486	.293	.34
August	25,914	1,250	500	836	.504	.58
September	70,250	3,290	1,280	2,342	1.41	1.57
Water year 1934-35	306,977	3,290	184	841	.507	6.88

Blue Springs near Dunnellon, Fla.

Location.- Lat. 29°6'15", long. 82°26'5", in sec. 12, T. 16 S., R. 18 E., 4 miles northeast of Dunnellon.

Records available.- Discharge measurements from February 1931 to September 1934. Single measurements only in 1907, 1917, 1929-30.

Extremes.- 1931-35: Maximum discharge measured, 910 second-feet Oct. 4, 1933; minimum, 487 second-feet Oct. 3, 1932.

Remarks.- Discharge measurements made monthly at highway bridge 5 miles below springs. Measured discharge is practically all from spring, flow as surface run-off is negligible except after heavy rains.

Discharge measurements, in second-feet, water year October 1934 to September 1935

Oct. 6	843
Nov. 2	740
Dec. 4	762
Jan. 3	733
Feb. 6	650
Mar. 2	616
Apr. 16	604
May 3	622
June 1	574
July 9	538
Aug. 12	637
Sept. 4	741

Suwannee River at White Springs, Fla.

Location.- Water-stage recorder, lat. 30°20', long. 82°45', in sec. 7, T. 2 S., R. 16 E., at bridge on U. S. Highway 41 about 1 mile southeast of White Springs. Zero of gage is 48.54 feet above mean sea level.

Drainage area.- About 1,990 square miles (watershed in Okeefenokee Swamp indeterminate).

Records available.- May 1906 to December 1908; February 1927 to September 1935.

Extremes.- Maximum discharge during year, 6,330 second-feet Sept. 22 (gage height, 21.07 feet); minimum, 7.0 second-feet June 27 (gage height, 1.17 feet).
1906-8, 1927-35: Maximum discharge, 20,600 second-feet Sept. 30, Oct. 1, 1928 (gage height, 33.9 feet, old gage); minimum discharge, 4.8 second-feet Nov. 15, 1931; minimum gage height, 1.72 feet May 7-17, 1931, old gage.

Remarks.- Records good except those estimated for Sept. 7, 8, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	65	32	24	26	205	55	17	11	21	1,130	2,330
2	63	57	29	23	24	203	55	16	14	32	1,020	2,000
3	57	52	26	23	24	197	54	15	24	32	990	1,810
4	60	79	26	22	23	190	56	14	17	26	964	1,700
5	67	73	27	26	23	173	52	13	17	23	964	3,150
6	64	57	29	49	22	161	47	12	14	31	1,070	5,500
7	65	52	32	57	21	152	44	12	14	36	1,020	5,500
8	64	48	36	48	21	145	44	11	13	49	886	5,190
9	96	46	40	44	21	136	41	11	15	62	760	5,000
10	105	43	39	43	21	131	37	13	16	52	735	4,930
11	104	39	37	46	21	126	35	14	14	49	1,070	4,960
12	102	36	34	49	22	126	34	16	13	47	835	4,960
13	102	34	32	50	23	148	31	17	12	51	810	5,080
14	104	31	32	49	25	157	29	16	11	58	938	5,270
15	107	30	30	45	71	152	27	15	11	171	990	5,380
16	115	27	29	42	446	148	24	14	11	380	964	5,500
17	141	26	28	41	370	141	23	14	11	446	912	5,610
18	184	26	28	39	328	131	21	15	11	413	860	5,720
19	216	24	28	38	308	120	20	15	10	468	860	5,800
20	226	24	28	37	288	114	20	18	9.6	860	835	5,950
21	220	23	27	35	260	108	18	21	9.2	1,280	810	6,260
22	209	23	26	34	241	99	17	23	8.5	1,040	810	6,290
23	197	23	25	35	220	93	17	21	8.5	760	810	6,260
24	186	21	25	34	205	86	16	24	8.2	710	990	6,140
25	164	21	24	32	197	79	15	24	8.5	735	1,130	6,070
26	143	21	24	31	192	74	14	21	7.9	685	1,130	5,910
27	123	20	24	30	201	69	13	17	7.6	635	1,460	5,760
28	108	20	24	29	211	64	12	16	7.6	660	1,850	5,610
29	95	21	24	28	-	61	13	14	7.6	660	1,920	5,420
30	84	28	24	28	-	56	17	12	13	635	2,040	5,150
31	74	-	24	27	-	55	-	11	-	980	2,480	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,717	226	57	120	0.060	0.07
November	1,090	79	20	36.3	.018	.02
December	893	40	24	28.8	.014	.02
Calendar year 1934	79,486.5	2,220	8.5	218	.110	1.48
January	1,138	57	22	36.7	.018	.02
February	3,855	446	21	138	.069	.07
March	3,900	205	55	126	.063	.07
April	901	56	12	30.0	.015	.02
May	492	24	11	15.9	.0080	.009
June	354.2	24	7.6	11.8	.0059	.007
July	12,107	1,290	21	391	.196	.23
August	34,043	2,480	735	1,098	.552	.64
September	150,210	6,290	1,700	5,007	2.52	2.81
Water year 1934-35	212,700.2	6,290	7.6	583	.293	3.99

Suwannee River at Ellaville, Fla.

Location.- Water-stage recorder, lat. 30°23', long. 82°10', in sec. 24, T. 1 S., R. 11 E., at old highway bridge at Ellaville, 200 feet above Seaboard Air Line Railway bridge and 200 feet below mouth of Withlacoochee River. Zero of gage is 27.70 feet above mean sea level.

Drainage area.- 6,580 square miles.

Records available.- January 1927 to September 1935.

Extremes.- Maximum discharge during year, 18,300 second-feet Sept. 18 (gage height, 18.35 feet); minimum, 1,000 second-feet June 30 (gage height, 2.05 feet).
1927-35: Maximum discharge, 73,000 second-feet Aug. 20, 1928 (gage height, 37.1 feet); minimum, that of June 30, 1935.

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.1	1,050	5.0	4,480	10.0	9,100
2.4	1,370	5.5	5,030	11.0	10,000
2.6	1,600	6.0	5,580	12.0	11,000
2.8	1,840	6.5	6,100	13.0	12,000
3.0	2,080	7.0	6,600	14.0	13,100
3.3	2,440	7.5	7,050	15.0	14,200
3.7	2,920	8.0	7,500	16.0	15,400
4.0	3,280	8.5	7,900	17.0	16,600
4.3	3,640	9.0	8,300	18.0	17,800
4.7	4,120	9.5	8,700	19.0	19,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,600	1,400	1,230	1,090	1,200	2,860	2,560	1,780	1,320	1,050	3,280	7,140
2	1,540	1,380	1,220	1,070	1,180	2,980	2,440	1,780	1,290	1,070	3,520	7,230
3	1,540	1,380	1,220	1,070	1,160	3,040	2,380	1,780	1,260	1,090	3,640	7,050
4	1,540	1,420	1,250	1,070	1,150	3,100	2,320	1,780	1,280	1,080	3,640	6,870
5	1,540	1,390	1,200	1,120	1,150	3,100	2,320	1,780	1,270	1,090	3,520	7,320
6	1,540	1,380	1,200	1,150	1,140	3,100	2,260	1,780	1,270	1,110	3,520	9,640
7	1,540	1,360	1,200	1,270	1,120	3,100	2,260	1,720	1,260	1,120	3,520	12,000
8	1,540	1,360	1,200	1,320	1,120	3,100	2,200	1,720	1,260	1,140	3,280	13,800
9	1,540	1,330	1,200	1,360	1,120	3,280	2,200	1,720	1,260	1,150	3,160	14,800
10	1,600	1,320	1,200	1,390	1,130	3,280	2,200	1,660	1,270	1,230	2,860	15,500
11	1,660	1,300	1,170	1,380	1,130	3,280	2,200	1,720	1,280	1,250	2,800	16,000
12	1,720	1,280	1,150	1,360	1,130	3,280	2,260	1,660	1,260	1,240	2,920	16,500
13	1,780	1,280	1,150	1,350	1,160	3,400	2,200	1,720	1,240	1,300	2,920	16,800
14	1,780	1,270	1,150	1,350	1,220	3,520	2,140	1,840	1,230	1,370	2,920	17,200
15	1,780	1,260	1,140	1,340	1,420	3,640	2,140	1,960	1,200	1,410	3,040	17,600
16	1,780	1,260	1,140	1,340	2,020	3,880	2,140	1,960	1,200	1,540	3,040	17,900
17	1,720	1,260	1,140	1,340	2,440	4,000	2,080	1,960	1,170	1,780	3,100	18,200
18	1,720	1,260	1,140	1,330	2,560	4,000	2,020	1,900	1,130	1,960	3,160	18,200
19	1,720	1,260	1,150	1,320	2,620	4,000	2,020	1,840	1,110	2,200	3,280	18,200
20	1,720	1,260	1,130	1,300	2,680	3,880	1,960	1,780	1,100	2,320	3,640	18,200
21	1,720	1,250	1,130	1,300	2,680	3,760	1,900	1,720	1,090	2,740	3,760	18,200
22	1,660	1,250	1,130	1,300	2,680	3,640	1,900	1,660	1,080	3,040	3,760	18,200
23	1,660	1,250	1,110	1,280	2,740	3,520	1,840	1,600	1,070	3,040	3,760	18,000
24	1,600	1,240	1,100	1,270	2,800	3,520	1,840	1,600	1,060	3,040	3,760	17,600
25	1,540	1,230	1,100	1,260	2,800	3,280	1,840	1,540	1,050	3,040	3,880	16,800
26	1,540	1,220	1,100	1,260	2,740	3,160	1,840	1,480	1,030	3,040	4,240	15,900
27	1,480	1,220	1,090	1,260	2,680	2,980	1,840	1,480	1,010	3,040	4,590	15,000
28	1,480	1,220	1,100	1,240	2,740	2,860	1,840	1,450	1,010	2,920	5,250	14,200
29	1,460	1,240	1,100	1,230	-	2,740	1,840	1,420	1,010	2,920	5,800	13,500
30	1,440	1,250	1,100	1,220	-	2,680	1,780	1,400	1,000	3,040	6,200	12,900
31	1,410	-	1,090	1,220	-	2,620	-	1,370	-	3,100	6,690	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	49,890	1,780	1,410	1,609	0.235	0.27
November	38,760	1,420	1,220	1,292	.189	.21
December	35,730	1,250	1,090	1,153	.169	.19
Calendar year 1934	803,400	6,200	1,090	2,201	.322	4.36
January	39,150	1,390	1,070	1,263	.185	.21
February	51,710	2,800	1,120	1,847	.270	.28
March	102,580	4,000	2,620	3,309	.484	.56
April	62,760	2,560	1,780	2,092	.306	.34
May	52,560	1,960	1,370	1,695	.248	.29
June	35,060	1,320	1,000	1,169	.171	.19
July	60,460	3,100	1,050	1,950	.285	.33
August	116,450	6,690	2,800	3,756	.549	.63
September	436,450	18,200	6,870	14,550	2.13	2.38
Water year 1934-35	1,081,560	18,200	1,000	2,963	.433	5.88

Suwannee River at Luraville, Fla.

Location.- Staff gage, lat. 30°6', long. 83°10', in sec. 30, T. 4 S., R. 12 E., at highway bridge 1 mile south of Luraville, Suwannee County, and 3 miles above Grants Ferry Shoals. A large spring discharges into the river 500 feet above bridge on left bank. Zero of gage is 16.49 feet above mean sea level.

Drainage area.- 6,900 square miles.

Records available.- February 1927 to September 1935.

Extremes.- Maximum observed discharge during year, 17,500 second-feet Sept. 22-24; maximum observed gage height, 15.80 feet Sept. 22, 23; minimum observed discharge, 1,290 second-feet on 6 days in June and July 1, 2; minimum observed gage height, 1.43 feet July 1.
1927-35: Maximum observed discharge, about 66,000 second-feet Aug. 24, 1928 (gage height, 33.7 feet); minimum, that of June and July 1935.

Remarks.- Records excellent except those estimated for Feb. 17, 18, which are fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.4	1,290	3.0	2,730	5.7	5,350	9.5	9,450
1.6	1,470	3.3	3,000	6.0	5,650	10.0	10,000
1.8	1,650	3.7	3,360	6.5	6,150	11.0	11,200
2.0	1,830	4.0	3,650	7.0	6,670	12.0	12,500
2.2	2,010	4.3	3,950	7.5	7,220	13.0	13,800
2.4	2,190	4.7	4,350	8.0	7,770	14.0	15,100
2.6	2,370	5.0	4,650	8.5	8,320	15.0	16,400
2.8	2,550	5.3	4,950	9.0	8,870	16.0	17,800

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,100	1,830	1,650	1,470	1,560	2,910	2,910	2,010	1,650	1,380	3,360	6,150
2	2,010	1,830	1,650	1,470	1,560	3,000	2,820	2,010	1,650	1,380	3,560	6,560
3	2,010	1,830	1,650	1,470	1,560	3,090	2,730	2,010	1,650	1,380	3,650	6,670
4	2,010	1,920	1,650	1,470	1,560	3,180	2,730	2,010	1,560	1,380	3,750	6,670
5	2,010	1,920	1,650	1,560	1,560	3,270	2,640	2,010	1,560	1,380	3,750	6,560
6	2,010	1,830	1,650	1,560	1,470	3,270	2,550	2,010	1,560	1,380	3,750	7,110
7	2,010	1,830	1,650	1,650	1,470	3,270	2,550	2,010	1,560	1,380	3,750	9,210
8	2,010	1,830	1,650	1,650	1,470	3,270	2,550	2,010	1,560	1,380	3,650	11,100
9	2,010	1,830	1,650	1,740	1,470	3,270	2,460	2,010	1,560	1,380	3,560	12,500
10	2,100	1,830	1,650	1,740	1,470	3,360	2,460	2,010	1,560	1,560	3,360	13,300
11	2,100	1,740	1,650	1,740	1,470	3,450	2,460	2,010	1,560	1,470	3,180	14,100
12	2,100	1,740	1,650	1,740	1,470	3,450	2,460	1,920	1,560	1,470	3,180	14,700
13	2,190	1,740	1,560	1,740	1,470	3,450	2,460	1,920	1,470	1,470	3,270	15,100
14	2,190	1,740	1,560	1,740	1,470	3,550	2,460	2,010	1,470	1,560	3,270	15,600
15	2,190	1,740	1,560	1,650	1,650	3,650	2,370	2,100	1,470	1,560	3,270	16,000
16	2,190	1,740	1,560	1,650	1,830	3,850	2,370	2,190	1,470	1,380	3,270	16,400
17	2,190	1,740	1,560	1,650	2,200	4,050	2,370	2,190	1,470	1,380	3,360	16,700
18	2,190	1,650	1,560	1,650	2,500	4,050	2,370	2,190	1,470	2,100	3,360	17,000
19	2,100	1,650	1,560	1,650	2,640	4,050	2,280	2,100	1,470	2,190	3,450	17,200
20	2,100	1,650	1,560	1,650	2,730	4,050	2,280	2,100	1,380	2,460	3,550	17,200
21	2,100	1,650	1,560	1,650	2,730	4,050	2,190	2,010	1,380	2,640	3,550	17,400
22	2,100	1,650	1,560	1,650	2,730	3,950	2,190	2,010	1,380	2,910	4,050	17,500
23	2,100	1,650	1,560	1,650	2,820	3,850	2,190	1,920	1,380	3,180	4,050	17,500
24	2,100	1,650	1,560	1,650	2,820	3,750	2,100	1,920	1,380	3,270	4,050	17,500
25	2,010	1,650	1,560	1,650	2,910	3,650	2,100	1,830	1,290	3,270	4,050	17,200
26	2,010	1,650	1,560	1,650	2,910	3,550	2,100	1,830	1,290	3,270	4,150	16,800
27	2,010	1,650	1,560	1,650	2,910	3,360	2,100	1,740	1,290	3,270	4,350	16,100
28	2,010	1,650	1,560	1,650	2,820	3,270	2,100	1,740	1,290	3,270	4,650	15,600
29	1,920	1,650	1,560	1,560	-	3,180	2,100	1,650	1,380	3,180	5,050	15,000
30	1,920	1,650	1,560	1,560	-	3,090	2,100	1,650	1,290	3,180	5,450	14,400
31	1,920	-	1,560	1,560	-	3,000	-	1,650	-	3,270	5,850	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	64,020	2,190	1,920	2,065	0.299	0.34
November	52,110	1,920	1,650	1,737	.252	.28
December	49,440	1,650	1,560	1,595	.231	.27
Calendar year 1934	946,320	6,560	1,490	2,593	.376	5.10
January	50,520	1,740	1,470	1,630	.236	.27
February	57,230	2,910	1,470	2,044	.296	.31
March	108,190	4,050	2,910	3,490	.506	.58
April	71,550	2,910	2,100	2,385	.346	.39
May	60,780	2,190	1,650	1,961	.284	.33
June	44,010	1,650	1,290	1,467	.213	.24
July	66,810	3,270	1,290	2,155	.312	.36
August	118,830	5,850	3,180	3,833	.556	.64
September	410,830	17,500	6,150	13,690	1.98	2.21
Water year 1934-35	1,154,320	17,500	1,290	3,163	.458	6.22

Suwannee River at Branford, Fla.

Location.- Wire-weight gage, lat. 29°57', long. 82°56', in sec. 17 or 20, T. 6 S., R. 14 E., on highway bridge in Branford.

Drainage area.- 7,090 square miles.

Records available.- July 1931 to September 1935.

Extremes.- Maximum observed discharge during year, 16,200 second-feet Sept. 23, 24; maximum observed gage height, 19.08 feet Sept. 24; minimum observed discharge, 1,820 second-feet June 7, 8; minimum observed gage height, 2.34 feet June 7.
1931-35: Maximum discharge, 24,100 second-feet Mar. 1, 1933 (gage height, 21.96 feet); minimum discharge, 1,760 second-feet on numerous days in December 1931 and January 1932; minimum gage height, 2.34 feet June 7, 1935.

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 1 to Sept. 30)

2.5	1,770	5.3	3,340	10.0	6,900
2.8	1,900	5.7	3,600	10.5	7,350
3.0	2,000	6.0	3,810	11.0	7,800
3.2	2,100	6.5	4,160	11.5	8,300
3.4	2,200	7.0	4,530	13.0	9,800
3.6	2,300	7.5	4,900	14.0	10,900
3.8	2,420	8.0	5,290	15.0	12,100
4.0	2,520	8.5	5,690	16.0	13,400
4.3	2,700	9.0	6,090	17.0	14,800
4.7	2,940	9.5	6,490	18.0	16,200
5.0	3,140				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,820	2,580	2,250	2,050	2,000	2,940	3,080	2,420	2,100	1,860	3,810	6,090
2	2,820	2,520	2,200	2,050	2,000	2,940	3,010	2,420	2,050	1,900	3,950	6,330
3	2,760	2,520	2,200	2,000	2,000	3,010	2,940	2,360	2,050	1,900	4,090	6,570
4	2,760	2,520	2,200	2,050	2,000	3,140	2,880	2,360	2,000	1,900	4,160	6,650
5	2,760	2,520	2,200	2,050	2,000	3,270	2,880	2,360	1,860	1,900	4,230	6,730
6	2,760	2,470	2,200	2,050	2,000	3,340	2,820	2,360	1,860	1,950	4,230	7,080
7	2,760	2,470	2,200	2,050	2,000	3,270	2,820	2,360	1,820	1,950	4,230	7,800
8	2,820	2,420	2,200	2,100	1,950	3,270	2,760	2,470	1,820	1,950	4,230	9,600
9	2,820	2,420	2,200	2,100	1,950	3,270	2,700	2,470	1,900	1,950	4,160	10,700
10	2,820	2,420	2,200	2,150	1,950	3,340	2,640	2,360	1,900	2,000	4,020	12,000
11	2,820	2,420	2,150	2,200	1,950	3,400	2,700	2,300	1,950	2,050	3,950	12,600
12	2,820	2,360	2,150	2,200	1,950	3,460	2,700	2,300	2,000	2,000	3,810	13,400
13	2,820	2,360	2,150	2,150	1,950	3,530	2,700	2,300	2,000	2,100	3,950	13,900
14	2,820	2,360	2,150	2,150	1,950	3,530	2,640	2,300	2,000	2,100	3,950	14,000
15	2,820	2,360	2,150	2,150	2,000	3,670	2,640	2,360	2,000	2,300	3,950	14,500
16	2,820	2,300	2,150	2,150	2,200	3,670	2,640	2,420	2,000	2,300	4,020	14,900
17	2,820	2,300	2,150	2,150	2,520	3,740	2,580	2,470	2,000	2,420	4,020	15,300
18	2,820	2,300	2,150	2,150	2,520	3,880	2,580	2,420	1,950	2,520	4,090	15,400
19	2,820	2,300	2,200	2,100	2,700	3,880	2,580	2,420	1,950	2,700	4,090	15,600
20	2,760	2,300	2,150	2,100	2,700	3,950	2,520	2,420	1,950	3,270	4,160	15,800
21	2,760	2,300	2,150	2,150	2,760	3,880	2,520	2,420	1,950	3,270	4,230	15,900
22	2,760	2,300	2,100	2,100	2,820	3,880	2,520	2,360	1,950	3,340	4,380	16,000
23	2,760	2,300	2,100	2,100	2,880	3,810	2,470	2,300	1,900	3,460	4,380	16,200
24	2,700	2,300	2,100	2,100	2,880	3,810	2,420	2,300	1,900	3,600	4,460	16,200
25	2,700	2,250	2,100	2,050	2,940	3,740	2,420	2,250	1,860	3,670	4,460	16,000
26	2,700	2,250	2,100	2,050	2,940	3,530	2,420	2,250	1,860	3,670	4,600	15,800
27	2,640	2,250	2,100	2,050	3,010	3,530	2,420	2,200	1,860	3,670	4,760	15,600
28	2,580	2,200	2,050	2,050	2,880	3,340	2,420	2,150	1,860	3,670	5,060	15,200
29	2,580	2,250	2,050	2,000	-	3,270	2,470	2,150	1,860	3,670	5,450	14,500
30	2,580	2,250	2,050	2,000	-	3,140	2,420	2,100	1,860	3,670	5,690	14,200
31	2,580	-	2,050	2,000	-	3,080	-	2,100	-	3,740	5,850	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	85,380	2,820	2,580	2,754	0.388	0.45
November	70,870	2,580	2,200	2,362	.333	.37
December	66,550	2,250	2,050	2,147	.303	.35
Calendar year 1934	1,145,580	8,350	2,000	3,139	.443	6.02
January	64,800	2,200	2,000	2,090	.295	.34
February	65,400	3,010	1,950	2,336	.329	.34
March	107,510	3,950	2,940	3,468	.489	.56
April	79,310	3,080	2,420	2,644	.373	.42
May	72,230	2,470	2,100	2,330	.329	.38
June	58,020	2,100	1,820	1,934	.273	.30
July	82,450	3,740	1,860	2,660	.375	.45
August	134,420	5,850	3,610	4,336	.612	.71
September	380,550	16,200	6,090	12,680	1.79	2.00
Water year 1934-35	1,267,490	16,200	1,820	3,473	.490	6.65

Suwannee River near Bell, Fla.

Location.- Water-stage recorder, lat. 29°48', long. 82°55', in sec. 17, T. 8 S., R. 14 E., at Rock Bluff Ferry, 4½ miles northwest of Bell and 10 miles below mouth of Santa Fe River. Zero of gage is 2.75 feet above mean sea level.

Drainage area.- 9,260 square miles.

Records available.- June 1932 to September 1935.

Extremes.- Maximum discharge during year, 22,100 second-feet Sept. 23-26; maximum gage height, 14.63 feet Sept. 25; minimum discharge, 2,950 second-feet June 26 and 28 (gage height, 1.25 feet).

1932-35: Maximum discharge, 24,500 second-feet Mar. 2, 1933 (gage height, 15.36 feet); minimum, that of June 26, 28, 1935.

Flood of September 1928 reached a stage of about 25.9 feet (discharge, about 75,000 second-feet). This is probably the highest flood in the past 50 years or more.

Remarks.- Records excellent except those below 4,000 second-feet and those estimated for Nov. 21 to Dec. 5, May 7, 8, which are good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	2,950	3.0	4,390	6.0	7,600	9.5	12,200
1.4	3,090	3.3	4,660	6.5	8,200	10.0	12,900
1.6	3,230	3.7	5,050	7.0	8,850	11.0	14,300
1.8	3,380	4.0	5,350	7.5	9,500	12.0	16,000
2.0	3,530	4.5	5,900	8.0	10,200	13.0	18,000
2.3	3,770	5.0	6,450	8.5	10,800	14.0	20,600
2.7	4,120	5.5	7,000	9.0	11,500	15.0	23,200

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,850	4,390	3,800	3,530	3,380	4,300	4,660	3,770	3,380	3,090	5,150	9,850
2	4,750	4,390	3,800	3,530	3,380	4,390	4,570	3,770	3,300	3,090	5,150	9,240
3	4,660	4,390	3,800	3,460	3,460	4,570	4,480	3,770	3,300	3,090	5,250	9,500
4	4,750	4,480	3,800	3,530	3,530	4,660	4,480	3,770	3,300	3,160	5,350	9,890
5	4,750	4,390	3,800	3,610	3,530	4,750	4,390	3,770	3,230	3,160	5,570	10,500
6	4,850	4,210	3,770	3,690	3,530	4,850	4,300	3,770	3,230	3,160	5,570	10,900
7	4,850	4,210	3,850	5,610	3,460	4,850	4,390	3,700	3,230	3,230	5,570	11,600
8	4,750	4,210	3,770	3,690	3,460	4,750	4,210	3,700	3,160	3,230	5,570	12,900
9	4,750	4,210	3,770	3,690	3,460	4,750	4,120	3,690	3,160	3,380	5,460	14,200
10	4,750	4,210	3,850	3,770	3,460	4,750	4,030	3,690	3,160	3,460	5,350	15,800
11	4,850	4,210	3,770	3,690	3,460	4,950	4,030	3,610	3,160	3,380	5,350	17,400
12	4,750	4,030	3,610	3,690	3,460	4,950	4,030	3,610	3,160	3,300	5,250	18,800
13	4,750	4,030	3,690	3,690	3,380	5,150	4,030	3,530	3,160	3,300	5,250	19,500
14	4,750	4,030	3,690	3,690	3,460	4,950	4,030	3,530	3,160	3,460	5,350	20,000
15	4,750	4,030	3,690	3,610	3,530	4,950	3,940	3,610	3,230	3,770	5,350	20,200
16	4,750	3,940	3,690	3,690	3,690	5,050	4,030	3,690	3,230	3,770	5,350	20,500
17	4,750	3,940	3,770	3,690	3,770	5,250	4,030	3,690	3,230	3,690	5,460	21,000
18	4,660	4,030	3,770	3,690	3,850	5,350	4,030	3,690	3,230	3,770	5,460	21,300
19	4,660	4,030	3,850	3,690	4,030	5,550	4,030	3,690	3,230	3,940	5,460	21,600
20	4,750	4,030	3,770	3,690	4,210	5,350	4,030	3,770	3,230	4,120	5,460	21,600
21	4,750	4,000	3,690	3,690	4,210	5,350	4,030	3,850	3,160	4,300	5,570	21,800
22	4,750	4,000	3,690	3,770	4,300	5,350	4,030	3,690	3,160	4,390	5,790	21,800
23	4,660	4,000	3,610	3,770	4,390	5,350	3,940	3,610	3,090	4,660	6,120	22,100
24	4,660	4,000	3,610	3,530	4,390	5,250	3,850	3,610	3,090	4,850	6,230	22,100
25	4,660	4,000	3,610	3,460	4,390	5,250	3,770	3,530	3,020	4,950	6,450	22,100
26	4,660	3,900	3,690	3,460	4,480	5,250	3,770	3,380	3,020	4,956	6,670	22,100
27	4,480	3,900	3,610	3,530	4,570	5,050	3,770	3,300	3,020	5,050	7,000	21,800
28	4,480	3,900	3,530	3,460	4,300	4,950	3,770	3,380	3,090	5,050	7,360	21,600
29	4,390	3,900	3,610	3,460	-	4,750	3,850	3,380	3,090	5,050	7,720	21,300
30	4,390	3,900	3,530	3,460	-	4,660	3,850	3,380	3,160	4,950	8,200	20,800
31	4,390	-	3,530	3,380	-	4,660	-	3,380	-	5,050	8,460	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	145,400	4,850	4,390	4,690	0.506	0.58
November	122,890	4,480	3,900	4,096	.442	.49
December	115,020	3,850	3,530	3,710	.401	.46
Calendar year 1934	1,902,950	14,800	3,460	5,214	.563	7.64
January	111,900	3,770	3,380	3,610	.390	.45
February	106,520	4,570	3,380	3,804	.411	.43
March	153,690	5,350	4,300	4,958	.535	.62
April	122,470	4,660	3,770	4,082	.441	.49
May	112,310	3,850	3,300	3,623	.391	.45
June	95,370	3,380	3,020	3,179	.343	.38
July	121,900	5,050	3,090	3,929	.424	.49
August	183,300	8,460	5,150	5,913	.639	.74
September	532,780	22,100	8,850	17,760	1.92	2.14
Water year 1934-35	1,923,450	22,100	3,020	5,270	.569	7.72

Alapaha River at Statenville, Ga.

Location.- Staff gage, lat. 30°40', long. 83°1', at highway bridge on road from Statenville to Valdosta, a quarter of a mile west of Statenville, Echols County. Prior to July 9, 1935, chain gage at same site and datum.

Drainage area.- 1,370 square miles.

Records available.- January to June 1921, December 1931 to September 1935.

Extremes.- Maximum discharge observed during year, 3,440 second-feet Sept. 6; maximum gage height, 14.60 feet Sept. 6 and 8; minimum, 32 second-feet June 29 (gage height, 0.87 foot).

1921, 1931-35: Maximum observed discharge, 6,140 second-feet Feb. 22, 1933 (gage height, 21.82 feet); minimum observed discharge, 17 second-feet Dec. 21, 28-31, 1931; minimum observed gage height, that of June 29, 1935.

Maximum stage known, 28.6 feet in 1928 (discharge, estimated, 14,900 second-feet).

Remarks.- Records good. Discharge interpolated Nov. 7.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	47	38	42	62	705	516	396	83	54	414	516
2	54	49	36	42	62	780	494	378	83	54	324	434
3	62	47	37	40	62	805	474	378	83	58	288	378
4	62	50	38	40	62	805	474	378	77	50	288	342
5	50	47	36	43	62	805	474	324	83	48	288	2,420
6	62	49	36	46	67	805	454	288	77	42	270	3,440
7	89	49	36	67	67	805	474	252	67	54	270	3,050
8	77	49	36	67	62	880	474	218	58	72	218	3,320
9	67	49	35	77	67	855	516	235	54	112	184	3,080
10	176	48	35	77	62	830	560	218	50	104	176	2,780
11	192	48	35	83	62	805	632	210	50	104	192	2,720
12	218	48	35	77	58	980	656	252	50	112	235	2,750
13	342	45	35	83	77	980	608	516	50	112	235	2,900
14	324	44	35	89	83	1,080	538	632	50	135	306	3,020
15	252	44	35	104	143	1,160	474	494	48	176	288	2,960
16	252	44	35	112	252	1,220	454	378	48	218	288	3,020
17	184	42	35	112	270	1,220	414	324	48	288	306	3,110
18	151	42	36	112	324	1,220	396	306	48	474	396	3,110
19	151	39	36	119	378	1,220	396	252	42	434	434	3,050
20	127	38	35	119	414	1,220	434	184	36	360	360	2,990
21	96	38	35	119	454	1,310	516	184	34	324	324	2,900
22	96	40	35	96	538	1,340	560	184	34	342	288	2,870
23	77	39	36	89	560	1,310	632	159	34	360	252	2,810
24	77	39	36	83	560	1,190	680	159	34	342	324	2,390
25	72	38	36	83	516	1,160	730	135	34	342	396	2,360
26	72	38	38	83	474	1,060	730	127	33	324	396	2,000
27	62	39	39	83	560	955	656	119	33	306	434	1,670
28	58	36	40	83	632	855	516	112	33	288	396	1,430
29	54	37	43	77	-	730	454	112	32	270	414	1,190
30	49	38	40	77	-	680	434	89	42	235	454	1,000
31	47	-	41	77	-	608	-	83	-	288	516	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,719	342	47	120	0.088	0.10
November	1,300	50	36	43.3	.032	.04
December	1,134	43	35	36.6	.027	.03
Calendar year 1934	145,612	2,420	29	399	.291	3.96
January	2,501	119	40	80.7	.059	.07
February	6,990	632	58	250	.182	.19
March	30,378	1,340	608	980	.715	.82
April	15,820	730	396	527	.385	.43
May	8,076	632	83	261	.191	.22
June	1,528	83	32	50.9	.037	.04
July	6,482	474	42	209	.153	.18
August	9,954	516	176	321	.234	.27
September	70,010	3,440	342	2,334	1.70	1.90
Water year 1934-35	157,892	3,440	32	433	.316	4.29

Withlacoochee River near Pinetta, Fla.

Location.- Chain gage, lat. 30°36', long. 83°16', in sec. 6, T. 2 N., R. 11 E., on highway bridge a quarter of a mile west of Bellville and 5 miles east of Pinetta.

Drainage area.- 2,220 square miles.

Records available.- December 1931 to September 1935.

Extremes.- Maximum discharge observed during year, 9,770 second-feet Sept. 15 (gage height, 22.66 feet); minimum observed, 94 second-feet Nov. 26, Dec. 2, 3, and Jan. 2 (gage height, 6.50 feet).

1931-35: Maximum observed discharge, 9,820 second-feet Feb. 24, 1933 (gage height, 22.79 feet); minimum, 94 second-feet Nov. 26, Dec. 2, 3, 1934, and Jan. 2, 1935 (gage height, 6.50 feet).

Maximum stage known, 36.75 feet in August 1928 (discharge, estimated, 35,000 second-feet).

Remarks.- Records good except those for period Apr. 15 to May 31, which are poor.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 14 to Aug. 4)

6.5	94	8.2	695	10.7	2,430	15.0	5,440
6.6	105	8.4	820	11.0	2,640	16.0	6,120
6.8	139	8.6	960	11.5	2,990	17.0	6,720
7.0	188	8.8	1,100	12.0	3,340	18.0	7,300
7.2	243	9.0	1,240	12.5	3,690	19.0	7,860
7.4	311	9.3	1,450	13.0	4,040	20.0	8,400
7.6	390	9.7	1,730	13.5	4,390	21.0	8,920
7.8	477	10.0	1,940	14.0	4,740	22.0	9,420
8.0	580	10.3	2,150	14.5	5,090	23.0	9,920

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	124	98	96	98	141	1,450	560	202	180	130	1,520	3,760
2	120	98	94	94	137	1,660	527	215	170	130	1,590	3,760
3	116	98	94	95	141	1,590	502	229	160	130	1,590	3,270
4	118	108	96	97	144	1,520	477	215	160	118	1,590	2,920
5	116	106	96	116	137	1,520	477	202	160	116	1,380	4,320
6	120	110	95	229	130	1,520	477	229	170	122	1,310	6,950
7	124	101	100	477	130	1,520	477	243	180	128	1,100	7,300
8	108	101	100	259	126	1,590	477	243	175	148	655	7,690
9	111	101	100	311	122	1,800	502	243	188	162	665	8,350
10	139	96	98	330	122	1,800	502	243	275	144	598	8,870
11	146	98	98	293	122	1,730	598	243	243	131	554	9,170
12	243	98	97	275	130	1,730	554	293	215	139	554	9,420
13	293	96	96	259	155	1,800	554	411	202	153	580	9,570
14	275	96	98	259	259	2,010	454	554	202	188	580	9,670
15	243	96	97	243	502	2,150	432	580	180	311	635	9,770
16	202	96	97	243	960	2,220	432	580	155	527	665	9,670
17	180	96	96	229	1,030	2,290	411	527	146	527	788	9,470
18	165	96	101	188	1,100	2,290	370	454	144	755	960	9,170
19	150	96	104	188	1,240	2,080	311	411	139	855	1,240	8,970
20	126	100	102	188	1,240	1,940	293	370	131	820	1,590	8,760
21	130	100	97	188	1,240	1,730	259	311	131	1,100	1,590	8,400
22	126	97	97	188	1,310	1,520	243	275	135	1,170	1,450	8,080
23	118	95	96	188	1,380	1,380	229	275	137	1,170	1,450	7,240
24	110	95	95	185	1,380	1,100	188	243	131	1,170	1,450	6,480
25	112	96	97	180	1,380	1,030	183	243	131	1,380	1,520	4,950
26	112	94	97	180	1,100	855	167	243	131	1,240	1,870	3,620
27	106	96	95	175	1,170	725	157	243	122	1,170	2,220	2,920
28	104	96	97	160	1,380	665	148	215	122	1,030	2,710	2,360
29	104	97	100	155	-	598	133	229	120	1,170	3,130	2,150
30	104	97	98	150	-	598	141	215	120	1,310	3,340	1,730
31	100	-	97	146	-	665	-	202	-	1,240	3,760	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,447	293	100	143	0.064	0.07
November	2,948	110	94	98.3	.044	.05
December	3,021	104	94	97.5	.044	.05
Calendar year 1934	150,724	3,270	94	413	.186	2.52
January	6,366	477	94	205	.092	.11
February	18,408	1,380	122	657	.296	.31
March	47,076	2,290	598	1,519	.684	.79
April	11,255	598	133	375	.169	.19
May	9,381	580	202	303	.136	.16
June	4,855	275	120	162	.073	.08
July	18,884	1,380	116	609	.274	.32
August	44,834	3,760	554	1,446	.651	.75
September	198,760	9,770	1,730	6,625	2.98	3.32
Water year 1934-35	370,235	9,770	94	1,014	.457	6.20

Santa Fe River at Worthington, Fla.

Location.- Staff gage, lat. 29°55', long. 82°26', in sec. 32 (revised), T. 6 S., R. 19 E., at highway bridge on State Highway 49 a quarter of a mile south of Worthington and a quarter of a mile below mouth of New River. Zero of gage is 42.91 feet above mean sea level.

Records available.- November 1931 to September 1935.

Extremes.- Maximum discharge during year, 11,200 second-feet Sept. 8 (gage height, 22.37 feet, from high-water mark); minimum observed, 1.9 second-feet June 15 (gage height, 7.03 feet).

1932-35: Maximum discharge, 17,500 second-feet June 17, 1934 (gage height, 24.83 feet); minimum observed discharge, 1.3 second-feet May 17, June 1, 1932; minimum observed gage height, 7.03 feet June 15, 1935.

Remarks.- Records good except those interpolated for Dec. 25, Feb. 2, Sept. 4, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	35	17	17	12	26	8.6	5.1	2.2	9.8	115	1,490
2	62	33	16	18	14	25	8.0	4.7	2.4	6.2	220	2,170
3	57	31	15	17	17	25	8.0	4.3	3.7	4.5	441	2,080
4	48	33	17	16	22	24	11	4.1	3.4	3.7	429	2,120
5	25	40	18	18	21	22	12	3.0	7.6	3.1	321	2,170
6	18	37	17	115	22	22	12	2.5	6.9	3.4	220	7,500
7	41	34	16	135	21	26	14	2.4	6.2	14	198	10,900
8	90	27	17	155	21	31	18	2.1	5.3	30	105	9,920
9	125	26	16	145	20	28	12	3.4	3.7	25	85	7,500
10	176	25	15	115	21	27	9.4	3.1	3.1	51	66	5,260
11	176	28	15	75	22	25	8.0	4.9	2.9	70	66	3,260
12	165	22	14	66	24	34	7.2	5.3	2.8	54	85	3,680
13	155	21	14	50	29	36	6.6	6.9	2.1	62	125	3,830
14	187	20	14	46	38	43	5.1	4.7	2.0	66	135	3,540
15	231	20	14	43	100	40	4.1	4.3	1.9	110	135	3,400
16	220	18	14	39	95	37	3.7	3.3	2.3	198	135	3,680
17	176	18	14	36	85	33	3.5	2.8	3.9	220	120	1,990
18	145	18	16	33	70	28	3.3	2.1	3.9	209	115	2,080
19	130	18	20	30	66	24	3.3	2.0	3.9	198	110	2,480
20	120	17	24	27	62	22	3.1	3.4	5.1	242	120	2,480
21	110	16	22	24	57	20	3.1	2.7	4.3	253	176	2,480
22	95	16	22	30	48	18	3.0	2.4	3.7	264	242	2,370
23	90	16	20	43	39	16	3.0	2.4	3.0	155	441	2,370
24	75	17	18	40	36	16	3.0	4.1	2.5	105	507	2,980
25	70	16	18	33	31	15	2.9	4.9	2.4	95	1,050	2,600
26	62	15	17	30	29	12	2.7	6.2	2.2	85	1,440	2,170
27	55	17	16	27	28	12	2.7	5.5	2.1	75	1,350	1,850
28	50	20	16	24	27	11	2.9	3.9	2.3	62	1,130	1,720
29	44	22	17	19	-	9.4	3.5	3.3	3.5	70	1,100	1,490
30	40	19	16	20	-	8.6	4.5	2.8	6.2	95	1,050	1,350
31	37	-	17	14	-	8.6	-	2.3	-	105	1,100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,141	231	18	101		
November	695	40	15	23.2		
December	522	24	14	16.8		
Calendar year 1934	175,607.7	16,900	5.5	481		
January	1,500	155	14	48.4		
February	1,077	100	12	38.5		
March	724.6	43	8.6	23.4		
April	192.2	18	2.7	6.41		
May	114.9	6.9	2.0	3.71		
June	107.5	7.6	1.9	3.58		
July	2,943.7	264	3.1	95.0		
August	12,932	1,440	66	417		
September	102,910	10,900	1,350	3,436		
Water year 1934-35	126,859.9	10,900	1.9	348		

Santa Fe River near High Springs, Fla.

Location.- Water-stage recorder, lat. 29°51', long. 82°37', in sec. 29, T. 7 S., R. 17 E., at bridge on State Highway 5A 150 feet upstream from Atlantic Coast Line Railroad bridge and 2 miles northwest of High Springs. Zero of gage is 25.78 feet above mean sea level.

Records available.- January 1931 to September 1935.

Extremes.- Maximum discharge during year, 6,830 second-feet Sept. 10 (gage height, 11.10 feet); minimum, 71 second-feet about June 27 (gage height, 0.46 foot).
1931-35: Maximum discharge, 11,800 second-feet June 18, 1934 (gage height, 14.90 feet); minimum, that of June 27, 1935.

Remarks.- Records good except those for estimated periods Oct. 18 to Nov. 9, May 17 to June 4, June 7-19, 21-28, and Aug. 13-19, which are fair. Estimates based on comparison with records of Santa Fe River near Fort White and at Worthington, Fla.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	632	420	248	227	212	206	175	126	90	81	254	1,860
2	610	400	242	221	215	209	172	123	90	79	289	1,980
3	610	400	245	227	227	209	172	123	90	79	374	2,220
4	610	380	242	227	218	209	172	121	90	79	439	2,400
5	588	380	236	236	212	209	165	123	95	81	462	2,580
6	588	360	239	236	212	206	168	119	97	89	459	2,700
7	588	360	239	245	212	206	168	119	100	89	414	3,350
8	565	360	236	260	215	206	162	117	100	83	382	4,710
9	568	340	239	266	221	200	155	117	100	93	342	6,390
10	588	334	239	266	218	200	153	117	100	97	330	6,720
11	588	334	227	263	215	206	155	117	90	97	366	6,090
12	588	322	224	251	212	212	153	115	90	97	362	5,400
13	588	314	233	248	215	197	148	111	90	105	360	4,870
14	588	314	233	245	215	197	146	111	90	103	360	4,470
15	565	300	230	239	224	197	148	111	90	132	400	4,310
16	565	300	233	239	230	200	148	105	80	136	500	4,070
17	565	296	233	236	224	200	143	100	80	153	500	3,910
18	560	296	236	235	224	197	143	100	80	170	500	3,590
19	540	292	245	233	230	197	141	100	80	185	500	3,430
20	540	289	224	230	233	194	141	100	79	200	466	3,350
21	520	286	230	230	230	194	141	100	80	221	484	3,350
22	500	278	230	236	236	191	136	100	80	230	588	3,510
23	500	275	227	224	233	188	134	100	80	292	700	3,430
24	500	272	233	215	227	188	132	100	80	318	840	3,430
25	480	266	233	218	227	191	128	100	80	326	1,140	3,510
26	480	266	233	224	230	191	126	90	80	306	1,540	3,510
27	460	263	227	224	212	182	123	90	80	282	1,860	3,510
28	440	266	239	215	200	178	132	90	80	265	1,860	3,430
29	440	266	239	215	-	175	132	90	89	254	1,860	3,210
30	420	260	233	218	-	175	128	90	81	251	1,740	3,070
31	420	-	230	215	-	178	-	90	-	254	1,740	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	16,814	632	420	542		
November	9,489	420	260	316		
December	7,277	248	224	235		
Calendar year 1934	283,137	11,500	153	776		
January	7,262	266	215	234		
February	6,179	236	200	221		
March	6,088	212	175	196		
April	4,440	175	123	148		
May	3,315	126	90	107		
June	2,611	100	79	87.0		
July	5,225	326	79	169		
August	22,391	1,860	254	722		
September	112,360	6,720	1,860	3,745		
Water year 1934-35	203,451	6,720	79	557		

Santa Fe River near Fort White, Fla.

Location.- Water-stage recorder, lat. 29°51', long. 82°42', in sec. 28, T. 7 S., R. 16 E., 2 miles upstream from county highway bridge on road between Willeford and Fort White and 4 miles south of Fort White. Zero of gage is 21.28 feet above mean sea level.

Records available.- October 1927 to January 1930, June 1932 to September 1935.

Extremes.- Maximum discharge during year, 6,680 second-feet Sept. 10 (gage height, 8.28 feet); minimum, 690 second-feet July 5, 6; minimum gage height, 0.58 foot June 26-28, July 5.

1927-30, 1932-35: Maximum discharge, 11,400 second-feet June 20, 1934 (gage height, 11.04 feet); minimum, 670 second-feet June 4, 5, 1932; minimum gage height, 0.58 foot June 26-28, July 5, 1935.

Remarks.- Records good; estimates for Feb. 5-8 good.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,440	1,220	1,030	956	904	823	771	778	749	704	919	2,440
2	1,440	1,220	1,030	956	904	823	771	778	749	704	941	2,510
3	1,440	1,180	1,030	956	904	823	771	778	749	697	993	2,730
4	1,440	1,180	1,030	956	904	823	771	778	749	697	1,070	2,950
5	1,400	1,180	1,030	956	897	815	771	771	749	690	1,070	3,400
6	1,400	1,140	1,030	956	889	815	778	778	749	690	1,070	3,470
7	1,360	1,140	1,030	956	889	808	771	778	749	697	1,070	3,770
8	1,360	1,140	1,030	956	882	808	771	771	749	697	1,030	4,360
9	1,360	1,140	1,030	993	882	793	771	764	741	697	993	5,500
10	1,360	1,140	1,030	993	882	793	771	764	741	719	993	5,740
11	1,360	1,140	993	956	875	793	771	764	741	704	1,030	6,280
12	1,360	1,140	993	956	875	801	771	764	741	704	1,030	6,000
13	1,330	1,140	993	956	867	778	771	764	734	719	1,100	5,500
14	1,330	1,140	993	956	867	778	771	764	734	719	1,140	5,200
15	1,330	1,100	993	956	875	778	771	756	734	801	1,140	5,030
16	1,330	1,100	993	949	882	778	771	756	734	786	1,100	4,950
17	1,330	1,100	993	949	867	771	764	756	734	801	1,140	4,380
18	1,330	1,100	993	949	860	771	771	756	734	823	1,140	4,580
19	1,330	1,100	993	941	867	771	771	756	734	838	1,100	4,580
20	1,330	1,100	993	934	867	764	771	756	727	852	1,100	4,430
21	1,330	1,100	993	934	852	764	771	764	727	875	1,100	4,430
22	1,290	1,100	993	934	860	764	771	756	719	912	1,220	4,510
23	1,290	1,100	956	926	860	764	771	756	719	949	1,290	4,510
24	1,250	1,070	993	919	852	764	778	764	719	993	1,400	4,430
25	1,250	1,070	993	919	845	771	778	756	719	993	1,580	4,430
26	1,250	1,070	956	912	845	771	778	749	704	993	1,920	4,510
27	1,250	1,070	956	912	830	771	771	749	704	956	2,210	4,510
28	1,220	1,070	956	912	823	771	778	749	704	949	2,360	4,430
29	1,220	1,070	956	912	-	764	778	749	704	941	2,360	4,360
30	1,220	1,070	956	912	-	764	786	749	704	926	2,360	4,210
31	1,220	-	956	904	-	771	-	749	-	926	2,360	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	41,150	1,440	1,220	1,327		
November	33,630	1,220	1,070	1,121		
December	30,894	1,030	956	997		
Calendar year 1934	546,572	11,100	838	1,497		
January	29,232	993	904	943		
February	24,406	904	823	872		
March	24,346	823	764	785		
April	23,180	786	764	773		
May	23,620	778	749	762		
June	21,944	749	704	731		
July	25,152	993	690	811		
August	41,329	2,360	919	1,333		
September	132,630	6,280	2,440	4,421		
Water year 1934-35	451,513	6,280	690	1,237		

Ichatucknee Springs near Hildreth, Fla.

Location.- Lat. 29°58', long. 82°47', in sec. 23, T. 6 S., R. 15 E., at bridge on State Highway 5A 1 mile east of Hildreth and about 2 miles above junction with Santa Fe River.

Records available.- Discharge measurements from January 1931 to September 1935. Single measurements only during 1917, 1929-30.

Extremes.- 1931-35: Maximum discharge measured, 428 second-feet Mar. 14, 1931; minimum, that of Aug. 20, 1935.

Remarks.- Discharge measurements made monthly at highway bridge about 4 miles below head of springs.

Discharge measurements, in second-feet, water year October 1934 to September 1935

Oct. 17	353
Dec. 7	354
Jan. 10	330
Feb. 8	342
Mar. 22	269
Apr. 22	322
May 8	267
June 20	304
July 11	289
Aug. 20	243
Sept.13	337

Ochlockonee River near Havana, Fla.

Location.- Wire-weight gage, lat. 30°33', long. 84°19', in sec. 24, T. 2 N., R. 2 W., at bridge on State Highway 1 three-quarters of a mile above Georgia, Florida & Alabama Railway bridge and 5 miles southeast of Havana.

Drainage area.- 1,020 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum observed discharge during year, 9,150 second-feet Sept. 10 (gage height, 27.96 feet); minimum, 27 second-feet Oct. 31, Nov. 2 and 3 (gage height, 11.51 feet).

1928-35: Maximum observed discharge, 14,200 second-feet Mar. 19, 1929 (gage height, 30.3 feet); minimum, 24 second-feet Nov. 14, 15, 17, 1933; minimum observed gage height, that of Oct. 31, Nov. 2, 3, 1934.

Maximum known flood occurred Aug. 18, 1928, stage probably 2½ or 3 feet higher than that of Mar. 19, 1929.

Remarks.- Records good.

Discharge, in second-feet, water year October 1934 to September 193[illegible]

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	28	39	70	92	874	300	572	218	71	1,820	2,500
2	36	27	42	70	88	946	300	438	185	98	2,130	2,900
3	34	27	51	71	90	898	319	300	154	263	2,410	3,430
4	34	37	53	70	87	826	338	218	397	338	2,550	3,490
5	32	38	47	72	80	733	338	169	549	245	2,410	5,160
6	33	39	43	146	82	664	338	185	710	218	1,640	5,410
7	31	40	42	202	79	641	338	169	710	177	1,230	5,680
8	33	44	42	210	78	756	338	169	377	154	994	5,970
9	35	38	40	210	78	1,310	459	245	263	377	756	7,360
10	43	36	39	263	82	1,550	595	245	227	850	664	9,150
11	46	36	38	245	84	1,640	595	263	202	874	710	8,440
12	45	34	36	218	88	1,380	549	481	193	687	664	7,160
13	43	32	37	193	146	1,190	459	710	146	572	922	6,790
14	44	31	38	169	281	1,140	397	779	132	733	1,040	5,970
15	49	30	40	154	503	1,160	338	850	118	874	922	5,820
16	53	29	39	139	733	1,070	300	874	98	1,160	898	5,820
17	51	29	40	139	756	946	263	756	91	1,640	898	5,680
18	46	28	39	125	779	874	227	549	86	2,020	898	5,040
19	41	28	40	112	779	756	210	459	87	2,170	1,020	4,500
20	38	30	53	112	779	664	193	319	82	2,170	1,500	3,980
21	36	29	52	105	710	618	177	319	73	2,210	1,850	3,310
22	35	31	66	112	641	572	161	319	68	2,170	2,020	2,850
23	34	32	72	112	572	549	146	338	64	2,020	1,960	2,450
24	32	32	66	118	526	481	132	503	58	1,880	1,600	2,060
25	32	31	57	112	503	417	125	377	54	1,780	1,350	1,720
26	31	32	56	105	481	397	112	319	53	1,430	1,190	1,450
27	31	32	54	112	572	357	105	281	51	994	1,210	1,260
28	30	32	54	112	710	338	92	281	48	874	1,380	1,110
29	28	33	54	105	-	319	86	319	49	922	1,720	1,020
30	28	34	55	92	-	319	245	300	49	1,110	2,100	898
31	27	-	62	98	-	319	-	245	-	1,450	2,290	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,419	53	27	37.1	C.036	0.04
November	979	44	27	32.6	.032	.04
December	1,486	72	36	47.9	.047	.05
Calendar year 1934	88,976	1,230	27	244	.239	3.24
January	4,173	263	70	135	.132	.15
February	10,479	779	78	374	.367	.38
March	24,704	1,640	319	797	.781	.90
April	8,575	595	86	286	.280	.31
May	12,351	874	169	398	.390	.45
June	5,592	710	48	186	.182	.20
July	32,531	2,210	71	1,049	1.03	1.19
August	44,746	2,550	664	1,443	1.41	1.63
September	128,378	9,150	898	4,279	4.20	4.69
Water year 1934-35	275,143	9,150	27	754	.739	10.05

Ochlockonee River near Bloxham, Fla.

Location.- Water-stage recorder, lat. 30°23', long, 84°39', in sec. 29, T. 1 S., R. 4 W., 1,000 feet below dam and 1 mile west of Bloxham.

Drainage area.- 1,660 square miles.

Records available.- June 1926 to September 1935.

Extremes.- Maximum discharge during year, 9,020 second-feet Sept. 13 (gage height, 16.00 feet); minimum, 3.8 second-feet Feb. 12 (gage height, -1.69 feet).
1926-35: Maximum discharge, 19,900 second-feet Aug. 19, 1928 (gage height, 21.4 feet); no flow Sept. 21, 22, 1929, and several days in 1931.

Remarks.- Records fair above 100 second-feet and poor below. Flow regulated by operation of power plant 1,000 feet above gage.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

-1.6	6.0	-.2	230	1.5	580	5.0	1,780	10.0	3,980
-1.4	18	0	270	2.0	705	5.5	1,980	11.0	4,490
-1.2	41	.2	310	2.5	855	6.0	2,180	12.0	5,210
-1.0	73	.4	350	3.0	1,020	6.5	2,400	13.0	6,070
-.8	110	.6	390	3.5	1,200	7.0	2,630	14.0	6,970
-.6	150	.8	430	4.0	1,380	8.0	3,080	15.0	7,970
-.4	190	1.0	470	4.5	1,580	9.0	3,530	16.0	9,020

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	214	104	142	175	228	645	488	634	626	412	2,270	5,210
2	149	132	203	74	375	880	666	814	254	476	2,440	4,900
3	209	161	227	220	362	359	592	881	621	86	2,350	4,690
4	410	120	205	635	160	854	523	522	786	132	2,000	5,210
5	93	132	242	194	168	1,720	725	226	687	90	2,150	6,630
6	151	147	252	364	169	1,370	580	586	558	174	2,330	6,610
7	156	234	227	532	608	1,480	436	825	370	166	2,340	4,910
8	190	214	172	520	132	1,830	666	767	72	508	1,460	5,620
9	165	320	330	459	102	1,910	671	759	441	746	1,290	6,520
10	126	188	210	468	48	975	612	1,060	680	764	1,220	6,790
11	121	162	105	296	252	1,770	1,010	928	515	675	1,220	7,970
12	145	66	107	200	122	2,200	810	275	471	808	1,630	8,270
13	96	154	628	78	740	2,710	334	796	454	647	1,310	9,020
14	136	108	188	141	909	2,540	167	888	66	980	1,510	7,770
15	124	76	140	131	1,980	2,460	723	849	193	804	1,150	6,160
16	144	74	172	369	2,190	2,230	711	773	242	960	1,250	4,970
17	210	173	142	140	940	386	676	840	405	1,100	1,740	5,450
18	331	24	182	249	1,060	1,700	697	486	388	1,100	1,160	7,170
19	228	165	141	138	668	1,830	649	275	121	1,600	1,400	5,620
20	107	218	198	92	1,060	1,620	734	755	468	2,380	2,180	5,050
21	125	215	135	129	766	1,120	237	925	449	3,170	2,810	4,430
22	220	150	101	454	1,100	1,270	330	990	80	3,120	2,810	3,890
23	315	183	55	296	654	932	240	896	104	2,940	3,080	4,170
24	224	141	113	67	196	236	309	709	106	2,900	3,120	3,660
25	186	183	95	56	516	1,280	714	512	396	2,110	2,750	3,580
26	156	179	66	55	1,330	1,040	468	188	465	1,260	2,340	3,400
27	227	151	120	67	1,240	749	287	445	455	1,300	2,010	3,300
28	33	146	99	83	1,100	698	195	520	91	1,310	2,560	2,990
29	94	15	395	99	-	604	520	670	76	1,060	3,580	1,470
30	68	154	217	76	-	380	725	440	96	1,160	3,710	311
31	84	-	90	8.4	-	190	-	602	-	1,910	4,370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	5,237	410	33	169	0.102	0.12
November	4,569	320	15	152	.092	.10
December	5,799	628	55	186	.112	.13
Calendar year 1934	193,758	1,830	15	531	.320	4.34
January	6,885.4	635	8.4	222	.134	.15
February	19,595	2,190	48	700	.422	.44
March	39,968	2,710	190	1,289	.777	.90
April	16,895	1,010	167	563	.339	.38
May	20,836	1,060	188	672	.405	.47
June	10,756	786	72	359	.216	.24
July	36,888	3,170	86	1,190	.717	.83
August	67,540	4,370	1,150	2,179	1.31	1.51
September	155,741	9,020	311	5,191	3.13	3.49
Water year 1934-35	390,689.4	9,020	8.4	1,070	.645	8.76

Chattahoochee River at West Point, Ga.

Location.- Water-stage recorder, lat. 32°53', long. 85°11', just below Oseligee Creek and 1 mile upstream from West Point, Troup County. Zero of gage is 550.23 feet above mean sea level (U. S. Corps of Engineers datum).

Drainage area.- 3,550 square miles.

Records available.- January 1912 to September 1935; July 1896 to December 1910, at site three-quarters of a mile downstream from present site.

Average discharge.- 37 years (1896-1910, 1912-35) 5,820 second-feet.

Extremes.- Maximum discharge during year, 30,200 second-feet Oct. 12 (gage height, 15.24 feet); minimum, 981 second-feet Sept. 30 (gage height, 2.34 feet).
1896-1910, 1912-35: Maximum discharge, 134,000 second-feet Dec. 10, 1919 (gage height, 30.0 feet); minimum, 224 second-feet Sept. 12, 1925 (gage height, 1.64 feet).

Remarks.- Records good except those estimated Oct. 2-16, which are fair. Estimates based on partial gage-height graph and U. S. Weather Bureau records at West Point, Ga. Slight diurnal fluctuation caused by power plants upstream.

Rating table, water year, 1934-35 (gage height, in feet, and discharge, in second-feet)

2.0	540	8.0	10,800
2.5	1,210	9.0	13,000
3.0	2,000	10.0	15,400
4.0	3,600	11.0	17,800
5.0	5,200	12.0	20,500
6.0	6,880	14.0	26,300
7.0	8,750	16.0	32,900

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,400	2,160	4,240	5,530	3,040	5,200	7,970	5,360	3,760	2,480	1,940	2,560
2	2,320	2,160	4,880	6,880	2,960	4,400	6,540	4,880	3,600	2,480	1,650	2,000
3	1,760	2,240	5,200	7,600	2,960	4,000	6,020	4,080	3,440	3,760	1,490	1,780
4	1,600	2,560	4,400	6,360	2,880	3,760	5,360	3,760	5,200	3,760	1,390	1,650
5	3,040	2,640	3,600	4,880	2,880	6,140	5,200	3,840	4,880	3,200	1,300	1,580
6	12,600	2,320	3,360	4,240	2,880	18,600	6,200	4,400	3,680	4,880	1,330	1,600
7	23,300	2,320	3,440	3,920	2,800	21,300	9,780	4,880	3,040	3,440	1,870	1,630
8	20,500	2,320	2,960	3,840	2,800	14,400	11,700	5,700	2,720	3,280	1,380	1,730
9	19,400	2,240	2,800	4,880	2,800	9,160	9,160	5,860	2,560	2,720	1,330	1,700
10	11,200	2,160	2,640	6,880	2,800	6,880	7,060	5,530	2,800	2,240	1,180	3,110
11	15,400	2,160	2,560	8,360	2,800	5,700	7,240	4,880	2,720	1,920	1,780	7,240
12	24,500	2,080	2,480	7,060	2,800	11,100	9,360	5,860	2,480	1,820	2,320	4,400
13	11,500	2,160	2,400	5,200	3,360	21,900	8,560	6,540	2,560	1,790	2,400	2,720
14	7,240	2,160	2,400	4,560	5,710	19,400	7,420	4,880	2,400	3,120	1,760	2,240
15	6,540	2,000	2,400	4,080	9,570	14,900	5,860	4,240	2,560	3,600	1,780	1,950
16	4,240	2,000	2,400	3,840	8,750	8,750	5,200	3,920	2,800	2,400	1,600	1,780
17	3,840	2,000	2,400	3,760	8,960	6,540	4,720	4,560	2,480	2,320	2,480	1,630
18	3,520	2,000	2,480	3,680	7,600	5,860	4,400	4,240	2,320	2,240	6,610	1,490
19	3,280	2,000	2,960	3,600	5,860	5,360	4,240	4,240	2,320	2,080	12,100	1,460
20	3,120	2,000	3,440	3,440	4,880	5,040	4,240	3,760	2,400	2,560	7,640	1,460
21	2,960	2,000	3,360	3,360	4,400	4,880	5,200	3,680	2,240	3,120	6,700	1,410
22	2,880	2,080	3,440	3,840	4,000	4,560	7,780	3,520	2,240	2,960	6,360	1,340
23	2,720	2,480	3,360	4,000	3,760	4,400	7,060	3,520	2,160	3,200	5,200	1,280
24	2,640	2,400	2,960	3,760	3,680	4,240	5,860	3,520	2,000	4,400	4,000	1,280
25	2,560	2,400	2,800	3,920	3,520	4,080	4,880	3,280	1,870	5,860	3,120	1,240
26	2,480	2,400	3,120	4,000	5,490	4,000	4,400	2,960	1,870	3,280	2,960	1,110
27	2,320	2,400	3,920	3,680	8,750	4,240	4,080	2,880	1,820	2,800	2,640	1,060
28	2,240	2,240	4,400	3,440	6,880	4,400	4,240	2,720	1,760	3,120	2,880	1,050
29	2,240	2,160	4,880	3,280	-	4,560	5,360	2,640	1,700	2,720	2,880	1,040
30	2,160	2,880	4,400	3,200	-	4,400	5,040	2,720	2,720	2,400	3,520	1,010
31	2,160	-	4,240	3,120	-	4,720	-	3,520	-	2,160	2,960	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	208,660	24,500	1,600	6,731	1.90	2.19
November	67,120	2,880	2,000	2,237	.630	.70
December	104,320	5,200	2,400	3,365	.948	1.09
Calendar year 1934	1,627,330	32,900	1,320	4,458	1.26	17.05
January	142,190	8,360	3,120	4,587	1.29	1.49
February	129,570	9,570	2,800	4,628	1.30	1.35
March	246,870	21,900	3,760	7,964	2.24	2.58
April	190,130	11,700	4,080	6,338	1.79	2.00
May	130,370	6,540	2,640	4,205	1.18	1.36
June	81,120	5,200	1,700	2,704	.762	.85
July	92,110	5,860	1,790	2,971	.837	.96
August	98,550	12,100	1,180	3,179	.895	1.03
September	57,530	7,240	1,010	1,918	.540	.60
Water year 1934-35	1,548,540	24,500	1,010	4,243	1.20	16.20

Chattahoochee River at Columbus, Ga.

Location.- Water-stage recorder, lat. 32°27'45", long. 84°59'45", at Central of Georgia Railway bridge in Columbus, Muscogee County, half a mile below Eagle and Phoenix Dam and 1¼ miles below City Mills Dam. Zero of gage is 185.25 feet above mean sea level.

Drainage area.- 4,670 square miles.

Records available.- August 1929 to September 1935; December 1912 at site 800 feet upstream.

Extremes.- Maximum discharge during year, 36,100 second-feet Mar. 6 (gage height, 22.26 feet); minimum, 1,170 second-feet Sept. 29 (gage height, 0.60 foot); minimum daily discharge, 1,280 second-feet Nov. 25.

1912, 1929-35: Maximum discharge, 58,800 second-feet Dec. 30, 1932 (gage height, 31.12 feet); minimum, 294 second-feet Oct. 23, Nov. 14, 1931 (gage height, 0.06 foot); minimum daily discharge, 480 second-feet Oct. 31, 1931.

Maximum stage known, 53.2 feet (present datum) Mar. 15, 1929 (discharge not determined).

Remarks.- Records fair. Estimated discharge based on records for station at Columbia, Ala. Flow regulated by power plants upstream and Bartlett's Ferry Reservoir (capacity, 134,000 acre-feet).

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,190	3,950	2,080	3,950	6,030	6,270	6,550	6,130	3,140	2,550	4,330	6,010
2	2,480	3,950	1,760	3,850	5,670	6,270	10,300	6,130	2,180	3,240	4,330	6,490
3	2,570	*2,000	2,940	3,950	4,790	4,680	5,770	6,370	3,280	3,890	4,330	4,760
4	2,480	*1,300	3,650	3,950	4,580	4,060	6,130	6,010	4,440	1,800	2,110	4,540
5	2,570	2,860	3,850	3,050	6,150	8,670	6,130	4,290	4,440	2,160	2,600	4,440
6	2,190	3,850	3,850	1,780	6,030	30,700	6,250	4,440	4,440	3,790	2,920	4,440
7	7,700	3,850	3,850	2,770	5,910	34,100	10,600	5,690	4,440	4,220	2,650	2,160
8	21,900	3,950	3,350	3,950	5,550	26,200	16,600	6,250	4,440	4,220	2,810	1,520
9	18,100	3,350	3,950	4,060	5,670	14,200	10,500	6,250	4,330	4,110	2,550	2,450
10	21,700	1,380	3,950	4,160	4,580	9,700	7,890	6,490	4,440	4,220	1,600	3,570
11	11,600	1,720	3,950	9,220	4,060	6,960	9,250	5,390	4,330	3,140	1,520	5,770
12	29,500	2,380	3,950	8,620	4,680	17,000	13,200	6,680	4,440	2,920	2,450	5,530
13	21,900	2,760	3,950	6,310	5,910	26,200	11,000	7,120	4,440	1,840	2,810	4,330
14	10,700	3,250	3,650	6,000	6,390	27,400	5,230	6,610	4,440	2,920	2,920	2,350
15	6,030	2,950	2,440	6,030	4,580	18,500	8,340	6,250	2,360	3,350	2,810	1,800
16	6,150	3,550	1,400	6,030	2,830	13,400	6,490	6,370	1,760	4,330	2,760	2,550
17	4,580	2,300	2,350	5,910	2,140	7,470	6,490	6,490	3,170	4,220	1,840	2,920
18	4,260	2,130	3,950	5,790	5,650	7,570	6,490	5,770	4,330	4,220	2,200	2,920
19	4,160	3,350	3,950	3,410	6,500	6,730	6,490	5,090	4,220	3,790	4,110	2,920
20	4,160	4,060	3,850	2,280	6,150	6,610	6,010	4,760	2,920	1,800	4,370	2,810
21	*2,600	*4,400	3,850	3,760	4,680	6,610	4,670	6,490	2,600	1,640	5,650	1,840
22	3,150	*4,400	3,950	6,150	5,790	6,490	7,580	6,490	2,250	3,030	6,130	1,600
23	3,950	*4,300	3,950	6,270	4,790	6,490	8,350	6,370	1,600	4,220	6,860	2,450
24	4,060	*3,000	3,950	4,580	3,860	3,790	6,490	6,250	2,550	4,330	6,370	2,920
25	4,060	1,280	3,950	4,370	4,370	4,880	6,490	6,010	2,920	4,330	5,090	2,920
26	3,950	2,560	4,060	2,330	4,680	6,490	6,250	4,980	2,920	4,440	4,440	2,810
27	3,950	3,550	3,950	1,670	11,500	6,730	6,130	4,650	2,810	4,650	6,010	2,760
28	*2,000	*4,500	3,850	3,040	9,650	6,730	3,180	6,130	2,650	4,650	6,860	1,720
29	3,100	*4,700	2,550	4,060	-	6,990	5,540	4,370	1,720	4,220	7,510	1,340
30	3,950	*3,200	1,740	4,160	-	6,860	8,350	4,650	1,640	4,330	6,860	2,250
31	3,950	-	2,920	4,480	-	4,660	-	4,540	-	4,330	6,010	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	225,640	29,500	2,190	7,279	1.56	1.80
November	95,780	4,700	1,280	3,193	.684	.76
December	106,790	4,060	1,400	3,445	.738	.85
Calendar year 1934	1,936,190	47,300	1,190	5,305	1.14	15.42
January	139,940	9,220	1,670	4,514	.967	1.11
February	153,170	11,500	2,140	5,470	1.17	1.22
March	349,410	34,100	3,790	11,270	2.41	2.78
April	228,740	16,600	3,180	7,625	1.63	1.82
May	180,710	7,120	4,290	5,829	1.25	1.44
June	99,640	4,440	1,600	3,321	.711	.79
July	110,900	4,650	1,640	3,577	.766	.88
August	126,310	7,510	1,520	4,075	.873	1.01
September	96,890	6,490	1,340	3,230	.692	.77
Water year 1934-35	1,913,920	34,100	1,280	5,244	1.12	15.23

*Estimated.

Chattahoochee River at Columbia, Ala.

Location.- Water-stage recorder, lat. 31°17', long. 85°7', in T. 4 N., R. 29 E., at highway bridge a quarter of a mile below Central of Georgia Railway and half a mile east of Columbia.

Drainage area.- 8,040 square miles.

Records available.- July 1928 to September 1935.

Extremes.- Maximum discharge during year, 49,100 second-feet Mar. 8 (gage height, 30.62 feet); minimum, 2,160 second-feet June 18 (gage height, 3.37 feet).
1928-35: Maximum discharge, 203,000 second-feet Mar. 18, 1929 (gage height, 56.05 feet); minimum, 1,220 second-feet Oct. 26, 1931 (gage height, 1.79 feet).

Remarks.- Records good except those estimated for Dec. 2-7, which are fair. Estimates based on comparison with records for station at Columbus, Ga. For regulation see station description for Columbus, Ga.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Sept. 24-30)

3.3	2,120	5.5	4,180	10.0	9,700	18.0	22,500
3.5	2,280	6.0	4,720	11.0	11,100	20.0	26,200
4.0	2,730	7.0	5,640	12.0	12,600	25.0	36,200
4.5	3,180	8.0	7,040	14.0	15,800	30.0	47,700
5.0	3,680	9.0	8,340	16.0	19,000	30.7	49,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,730	4,720	5,270	3,780	5,050	12,800	9,140	12,800	5,160	3,580	5,720	8,080
2	2,460	4,720	5,200	4,280	5,600	9,930	7,820	9,980	4,940	3,180	5,600	7,040
3	2,460	4,720	5,000	5,380	6,800	8,080	12,500	8,340	3,880	3,480	5,160	7,170
4	3,000	4,720	3,900	5,270	6,560	7,560	9,840	7,820	3,280	4,940	4,940	6,920
5	3,280	3,180	4,400	5,270	5,490	6,080	8,340	7,690	4,280	4,830	4,720	5,600
6	3,480	2,550	4,900	5,380	5,960	9,510	8,340	7,170	5,270	3,090	3,280	5,270
7	3,780	3,400	5,000	4,500	7,040	32,800	9,000	5,600	5,050	2,820	3,000	5,160
8	4,140	4,610	5,050	3,480	6,920	46,700	11,800	6,800	4,940	3,780	3,480	4,940
9	15,700	4,610	5,050	4,390	6,800	44,800	18,200	9,000	4,830	5,050	3,680	3,480
10	20,900	4,610	4,940	5,840	6,680	30,100	16,400	9,280	4,720	4,830	4,080	2,730
11	24,500	4,390	4,940	6,200	6,560	19,300	13,100	8,600	4,720	4,940	3,680	3,900
12	19,900	3,000	4,830	6,980	5,840	12,500	22,900	8,080	4,720	5,960	3,090	12,300
13	24,600	2,550	4,720	11,600	7,040	20,500	20,800	8,080	4,610	11,200	2,460	10,300
14	28,400	2,730	4,720	9,140	8,860	34,300	18,500	7,820	4,720	9,840	2,730	8,080
15	18,700	3,480	4,720	7,690	9,980	35,100	12,800	8,210	4,720	7,040	3,480	6,080
16	10,400	3,680	4,610	7,170	12,300	28,200	9,280	7,560	4,500	6,320	3,880	4,180
17	7,690	3,580	3,480	7,430	9,420	19,900	9,700	7,300	3,000	6,200	4,180	3,280
18	7,040	4,080	2,550	7,430	6,320	13,800	8,730	7,430	2,280	5,840	4,720	3,680
19	5,600	3,280	4,100	7,300	4,830	11,800	8,600	7,300	3,090	5,380	7,040	4,280
20	5,270	2,730	5,600	6,920	8,430	9,980	8,470	6,800	4,500	5,720	8,210	4,280
21	5,160	3,680	5,720	4,720	8,210	9,560	9,000	6,440	4,280	5,600	8,470	4,180
22	4,940	4,830	5,380	3,880	7,560	9,280	9,840	6,800	3,480	4,500	8,210	3,780
23	3,780	5,160	5,270	5,860	6,440	9,000	8,340	7,690	3,280	3,480	8,080	3,000
24	4,180	5,050	5,160	7,950	7,170	8,730	12,000	7,560	3,000	4,180	8,340	2,550
25	4,830	4,720	5,160	7,430	6,320	8,080	9,280	7,300	2,370	5,600	8,080	3,000
26	4,830	3,380	5,160	5,960	5,380	5,840	8,210	6,920	2,640	5,490	7,170	3,680
27	4,830	2,460	6,080	5,380	6,200	8,010	8,080	6,560	3,180	6,080	6,320	3,580
28	4,720	3,000	6,920	3,780	8,830	12,200	7,950	5,490	3,180	8,340	6,320	3,480
29	4,390	4,500	6,440	2,910	-	11,800	9,000	5,490	3,180	9,280	7,820	3,480
30	3,380	5,050	5,840	3,840	-	11,400	9,980	6,440	4,080	8,080	9,280	2,730
31	3,780	-	4,500	4,940	-	10,400	-	5,380	-	6,320	9,560	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	262,850	28,400	2,460	8,479	1.05	1.21
November	117,170	5,160	2,460	3,906	.486	.54
December	154,610	6,920	2,550	4,987	.620	.71
Calendar year 1934	2,827,470	62,600	2,460	7,748	.963	13.08
January	182,080	11,600	2,910	5,874	.731	.84
February	198,590	12,300	4,830	7,092	.882	.92
March	518,090	46,700	5,840	16,710	2.08	2.40
April	335,940	22,900	7,820	11,200	1.39	1.55
May	233,730	12,800	5,380	7,540	.938	1.08
June	119,880	5,270	2,280	3,996	.497	.55
July	174,970	11,200	2,820	5,644	.702	.81
August	174,780	9,560	2,460	5,638	.701	.81
September	150,210	12,300	2,550	5,007	.623	.70
Water year 1934-35	2,622,900	46,700	2,280	7,186	.894	12.12

Apalachicola River near River Junction, Fla.

Location.- Water-stage recorder, lat. 30°45', long. 84°51', in sec. 5, T. 3 N., R. 6 W., at Louisville & Nashville Railroad bridge 1 mile below confluence of Flint and Chattahoochee Rivers and 1½ miles west of River Junction. Zero of gage is 44.90 feet above mean sea level.

Drainage area.- 17,100 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge during year, 46,800 second-feet Mar. 10 (gage height, 14.46 feet); minimum discharge, 6,910 second-feet June 19, 26; minimum stage, -0.42 foot June 19.

1928-35: Maximum discharge, 293,000 second-feet Mar. 20, 1929 (gage height, 34.70 feet); minimum discharge, 5,120 second-feet Nov. 5, 11, 1931; minimum gage height, -1.70 feet Nov. 5, 1931.

Remarks.- Records good except those obtained from gage-height graphs based on once-daily readings of U. S. Weather Bureau gage for Oct. 27 to Nov. 2, Jan. 19-21, June 2-4, 22-28, which are fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 20 to Sept. 30)

-0.6	6,910	.6	8,980	3.0	13,800	6.0	20,900	10.0	31,700
-.4	7,240	.8	9,340	3.5	14,900	6.5	22,200	11.0	34,600
-.2	7,570	1.0	9,700	4.0	16,000	7.0	23,500	12.0	37,700
0	7,900	1.5	10,700	4.5	17,200	7.5	24,800	13.0	41,000
.2	8,260	2.0	11,600	5.0	18,400	8.0	26,200	14.0	44,600
.4	8,620	2.5	12,700	5.5	19,600	9.0	28,900	15.0	49,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,260	9,160	10,100	10,700	10,700	16,500	20,200	17,900	10,900	8,260	13,100	16,200
2	7,570	9,520	10,500	10,100	10,700	18,900	19,400	19,600	10,500	8,260	13,100	15,300
3	7,240	9,700	10,500	10,700	11,300	17,000	19,200	17,900	10,300	7,570	13,100	15,300
4	7,400	9,900	10,100	11,500	12,100	15,600	22,200	16,500	9,340	7,740	12,300	15,300
5	7,900	9,520	9,700	11,600	11,600	15,600	19,400	15,800	8,620	8,800	11,600	14,400
6	8,080	8,080	10,300	11,600	10,700	14,200	18,200	15,300	9,520	8,980	10,700	12,500
7	8,440	7,240	11,100	11,600	11,500	22,200	17,900	14,400	10,300	7,740	9,520	12,100
8	8,980	8,080	11,100	11,100	12,300	37,700	18,600	12,700	10,100	7,240	8,980	11,600
9	10,700	9,340	11,100	10,500	12,300	44,600	21,400	14,000	10,100	8,800	9,340	11,300
10	20,900	9,520	10,900	11,300	12,100	45,500	26,500	16,000	10,100	9,160	9,700	9,700
11	24,800	9,340	10,500	12,300	11,900	39,700	24,800	16,200	9,700	9,160	10,100	9,340
12	27,300	8,980	10,300	12,500	11,500	33,400	24,300	15,800	9,700	9,340	9,520	11,600
13	25,100	7,900	10,300	13,500	11,900	29,500	29,500	14,900	9,700	10,500	8,980	18,200
14	30,000	7,400	10,300	16,500	13,300	36,500	30,000	15,100	9,520	15,800	8,080	17,900
15	31,100	7,570	10,100	15,600	15,600	43,400	28,600	14,900	9,520	15,300	8,260	16,700
16	25,900	8,080	9,900	14,000	17,900	45,500	24,300	15,100	9,340	13,500	8,800	15,800
17	19,400	8,260	9,900	13,500	18,900	42,000	21,900	14,600	9,160	13,300	9,340	14,400
18	16,500	8,260	8,800	13,800	17,000	36,500	20,600	14,200	7,900	13,100	9,520	13,300
19	15,300	8,440	8,260	13,800	15,300	31,100	19,400	14,200	7,080	12,500	10,100	12,900
20	13,800	7,900	9,340	13,300	14,600	28,600	18,600	14,000	7,570	12,100	12,100	12,700
21	12,700	7,740	10,700	12,700	17,400	27,000	17,900	13,300	8,800	12,500	13,300	12,500
22	11,600	8,440	11,100	11,100	17,900	26,200	17,900	12,900	8,800	12,300	13,800	11,600
23	11,100	9,520	10,900	10,100	17,000	25,100	18,200	13,300	8,080	10,900	14,200	11,100
24	9,900	9,900	10,900	11,500	15,600	22,500	17,400	14,200	7,740	9,900	14,600	9,900
25	10,100	9,700	10,900	13,300	15,100	20,600	19,400	14,000	7,400	10,500	14,900	9,340
26	10,500	9,520	10,900	13,100	14,200	18,900	17,700	13,300	6,910	11,600	14,400	9,700
27	10,500	8,080	11,100	11,900	13,500	16,200	16,700	12,700	7,240	11,500	13,800	10,100
28	10,500	7,400	11,600	11,300	14,000	17,900	16,500	12,300	7,570	11,900	13,300	10,100
29	10,100	7,900	12,500	9,700	-	20,600	16,700	11,300	7,740	14,400	13,100	9,700
30	9,520	9,340	12,500	8,800	-	21,200	17,200	11,300	7,900	15,100	14,600	9,520
31	8,980	-	11,900	9,700	-	20,900	-	11,900	-	14,200	16,000	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	440,170	31,100	7,240	14,200	0.830	0.96
November	259,750	9,900	7,240	8,658	.506	.56
December	328,100	12,500	8,260	10,580	.619	.71
Calendar year 1934	5,522,580	62,800	7,240	15,130	.885	11.98
January	372,700	16,500	8,800	12,020	.703	.81
February	387,900	18,900	10,700	13,860	.810	.84
March	851,100	45,500	14,200	27,450	1.61	1.86
April	620,600	30,000	16,500	20,690	1.21	1.35
May	449,600	19,600	11,300	14,500	.848	.98
June	267,150	10,900	6,910	8,905	.521	.58
July	341,950	15,800	7,240	11,030	.645	.74
August	362,240	16,000	8,080	11,690	.684	.79
September	380,100	18,200	9,340	12,670	.741	.83
Water year 1934-35	5,061,340	45,500	6,910	13,870	.811	11.01

Mill Creek near Warm Springs, Ga.

Location.- Water-stage recorder, lat. 32°52', long. 84°47', 180 feet upstream from the Harris-Meriwether County line and 6 miles southwest of Warm Springs, Meriwether County.

Drainage area.- 0.869 square miles.

Records available.- December 1933 to June 1935 (discontinued).

Extremes.- Maximum discharge during period, 28.8 second-feet Apr. 28 (gage height, 0.965 foot); minimum, 0.36 second-foot June 21 (gage height, 0.120 foot).
1933-35: Maximum discharge, 33.6 second-feet July 2, 1934 (gage height, 1.065 feet); minimum, that of June 21, 1935.

Remarks.- Records good except those estimated June 28-30, which are fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.62	0.68	0.79	0.92	0.73	0.92	1.36	0.85	0.62			
2	.62	.68	.73	.79	.73	.85	1.05	.85	.83			
3	.62	.73	.73	.68	.73	.79	.98	.79	.73			
4	.79	.79	.79	.68	.73	.73	.92	.73	.62			
5	1.05	.73	.79	.68	.73	4.13	.92	.68	.57			
6	1.29	.73	.73	.62	.73	5.56	.98	.93	.52			
7	.79	.73	.73	.62	.73	2.71	.98	1.50	.52			
8	.68	.73	.79	.73	.73	1.82	.85	.79	.52			
9	.92	.79	.79	1.36	.68	1.54	.85	.73	.52			
10	1.45	.85	.79	.85	.68	1.36	.92	.79	.52			
11	1.12	.85	.73	.79	.68	1.28	1.63	.79	.52			
12	.85	.79	.73	.73	.73	5.02	.98	.79	.48			
13	.79	.79	.79	.73	1.20	2.34	.92	.73	.48			
14	.68	.79	.79	.73	1.82	1.72	.92	.73	.48			
15	.68	.79	.79	.79	1.12	1.45	.79	.68	.52			
16	.68	.79	.73	.73	.98	1.28	.79	.96	.52			
17	.62	.79	.73	.79	.92	1.20	.73	.85	.52			
18	.68	.79	.92	.79	.79	1.12	.73	.73	.47			
19	.73	.79	1.28	.79	.73	1.05	.73	.73	.62			
20	.79	.85	.85	.79	.73	1.05	.85	.92	.43			
21	.79	.85	.79	.85	.85	.98	.98	.73	.43			
22	.73	1.05	.73	1.54	.79	.98	.92	.68	.73			
23	.73	.92	.68	1.05	.73	.98	.79	.62	.48			
24	.68	.79	.68	.92	.73	.92	.73	.57	.43			
25	.68	.79	.73	.85	.62	.85	.73	.57	.43			
26	.68	.79	1.20	.85	1.63	.85	.73	.57	.43			
27	.68	.79	.85	.92	1.05	2.28	.62	.57	.48			
28	.73	.79	.85	.92	.98	2.94	3.13	.52	1.3			
29	.79	.79	.79	.79	-	1.54	1.36	.52	.8			
30	.73	1.05	.85	.79	-	1.20	1.05	.68	.5			
31	.73	-	.85	.79	-	1.12	-	.62	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	24.40	1.45	0.62	0.787	0.906	1.04
November	24.07	1.05	.68	.802	.923	1.03
December	25.00	1.28	.68	.806	.928	1.07
Calendar year 1934	382.05	12.0	.57	1.05	1.21	16.33
January	25.86	1.54	.62	.834	.960	1.11
February	24.28	1.82	.62	.867	.998	1.04
March	52.56	5.56	.73	1.70	1.96	2.26
April	29.92	3.13	.62	.997	1.15	1.28
May	23.20	1.50	.52	.748	.861	.99
June	17.02	-	.43	.567	.652	.73
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	-	-	-	-	-	-
Water year						

Flint River at Montezuma, Ga.

Location.- Wire-weight gage, lat. 32°18', long. 84°3', at bridge on State Highways 26 and 49, half a mile below Buck Creek and 1 mile west of Montezuma, Macor County. Zero of gage is 257.4 feet above mean sea level.

Drainage area.- 2,920 square miles.

Records available.- July 1930 to June 1933, October 1934 to September 1935; January 1905 to December 1909 and January 1911 to December 1912 at a site 1½ miles upstream.

Extremes.- Maximum observed discharge during year, 12,400 second-feet Mar. 17 (gage height, 13.93 feet); minimum observed, 670 second-feet June 29 (gage height, 0.52 foot).

1930-33, 1934-35: Maximum observed discharge, 23,100 second-feet Nov. 20, 1930 (gage height, 17.80 feet); minimum observed, 455 second-feet Oct. 21, 28, 1931 (gage height, 0.51 foot).

Maximum stage known, 27.4 feet Mar. 17, 1929 (discharge not determined).

Remarks.- Records fair. Some regulation by power plants upstream. Records collected by the Crisp County Power Commission, under general supervision of the U. S. Geological Survey, in connection with a Federal Power Commission project.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	850	4.0	2,430	10.0	7,000
1.5	1,050	6.0	3,820	11.0	8,100
2.0	1,290	8.0	5,280	12.0	9,430
3.0	1,820	9.0	6,080	13.0	10,900
				13.9	12,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,290	1,440	2,240	2,500	1,760	3,190	3,540	2,370	1,050	970	2,770	3,890
2	1,050	1,490	2,560	2,560	1,700	3,330	3,330	2,240	1,010	930	2,000	2,300
3	1,010	1,390	2,840	2,840	1,640	3,190	3,400	2,060	1,390	1,050	1,490	1,640
4	1,010	1,340	2,770	3,330	1,880	2,770	3,330	1,760	1,340	1,090	1,290	1,440
5	930	1,390	2,700	3,190	1,640	2,560	3,680	1,640	1,390	1,140	1,090	1,390
6	1,010	1,440	2,500	3,190	1,640	2,840	3,750	1,540	1,440	1,010	930	1,390
7	1,700	1,440	2,240	2,980	1,640	4,800	3,820	1,490	1,340	1,090	850	1,290
8	2,000	1,440	2,180	2,560	1,640	6,440	3,540	1,590	1,190	1,290	810	1,390
9	2,430	1,440	1,940	2,500	1,590	8,100	3,400	1,940	1,290	1,140	930	1,490
10	3,190	1,340	2,000	2,500	1,700	11,100	3,330	2,120	1,190	1,090	1,290	1,340
11	4,380	1,290	1,820	3,120	1,820	11,700	3,260	2,120	1,050	1,010	1,140	1,490
12	5,200	1,240	1,700	3,400	1,700	10,000	3,260	2,240	970	1,050	930	2,120
13	5,680	1,240	1,820	3,330	1,940	8,100	3,820	2,500	930	1,140	850	3,540
14	5,760	1,140	1,880	3,120	2,180	7,200	4,310	2,370	850	1,240	775	3,890
15	5,680	1,090	1,820	2,560	2,770	8,610	4,240	2,180	850	1,590	775	3,680
16	5,120	1,090	1,700	2,370	4,030	11,500	3,680	1,880	890	2,060	970	3,400
17	3,750	1,140	1,700	2,180	4,960	12,200	3,050	1,590	1,050	2,240	1,050	2,240
18	2,630	1,140	1,700	2,120	4,960	9,850	2,700	1,440	1,090	2,000	1,090	1,700
19	2,180	1,290	1,760	2,120	4,590	7,100	2,430	1,440	1,090	1,820	1,140	1,440
20	1,820	1,290	1,940	2,300	3,890	4,800	2,300	1,490	1,090	1,640	1,590	1,340
21	1,760	1,190	2,120	2,300	3,120	3,680	2,500	1,340	1,190	1,820	2,700	1,240
22	1,760	1,190	2,370	2,000	2,770	3,330	2,770	1,390	1,140	1,640	2,980	1,290
23	1,700	1,190	2,370	2,180	2,500	3,120	2,980	1,440	1,090	1,440	2,840	1,290
24	1,640	1,290	2,300	2,000	2,500	2,980	2,980	1,640	1,050	1,340	3,050	1,140
25	1,440	1,390	2,060	2,180	2,430	2,770	2,630	1,490	930	1,290	2,300	1,290
26	1,290	1,440	2,000	2,240	2,180	2,560	2,300	1,440	890	1,240	1,590	1,240
27	1,240	1,440	2,120	2,240	2,180	2,560	2,180	1,340	850	1,390	1,290	1,090
28	1,240	1,440	2,500	2,120	2,500	2,630	2,240	1,290	810	2,120	1,240	1,190
29	1,340	1,700	2,630	1,880	-	3,050	2,300	1,140	810	3,260	1,820	1,340
30	1,390	1,940	2,700	1,820	-	3,960	2,300	1,090	850	3,750	4,520	1,490
31	1,390	-	2,700	1,680	-	3,400	-	1,050	-	3,190	5,040	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	74,010	5,760	930	2,387	0.817	0.94
November	40,310	1,940	1,090	1,344	.460	.51
December	67,680	2,840	1,700	2,183	.748	.86
Calendar year						
January	77,610	3,400	1,820	2,504	.858	.99
February	69,850	4,960	1,590	2,495	.854	.89
March	173,420	12,200	2,560	5,594	1.92	2.21
April	93,350	4,310	2,180	3,112	1.07	1.19
May	52,650	2,500	1,050	1,698	.582	67
June	32,100	1,440	810	1,070	.366	.41
July	49,070	3,750	930	1,583	.542	.62
August	53,130	5,040	775	1,714	.587	.68
September	55,000	3,890	1,090	1,833	.628	.70
Water year 1934-35	830,180	12,200	775	2,296	.786	10.67

Flint River at Oakfield, Ga.

Location.- Water-stage recorder, lat. 31°46', long. 83°59', at Georgia Southwestern & Gulf Railroad bridge 1 mile southwest of Oakfield, Worth County.

Drainage area.- 3,840 square miles.

Records available.- January 1930 to June 1933, October 1934 to September 1935.

Extremes.- Maximum discharge during year, 11,800 second-feet Mar. 20 (gage height, 11.02 feet); minimum, 810 second-feet June 17, Aug. 11, 12 (gage height, 1.78 feet).
1930-33, 1934-35: Maximum discharge, 21,600 second-feet Feb. 27, 1933 (gage height, 17.30 feet); minimum, 320 second-feet July 14, 1930 (gage height, 0.98 foot).

Remarks.- Records fair. Regulation by operations at power plant at Crisp County Power Commission's dam 8 miles upstream. Records collected by the Crisp County Power Commission, under general supervision of the U. S. Geological Survey, in connection with a Federal Power Commission project.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Sept. 14				Table for Sept. 15-30			
1.7	750	4.5	3,300	1.9	1,050	4.0	3,030
2.0	975	5.0	3,900	2.0	1,140	4.5	3,540
2.5	1,360	6.0	5,100	2.5	1,590	5.0	4,090
3.0	1,780	7.0	6,400	3.0	2,040	6.0	5,200
3.5	2,240	9.0	9,000	3.5	2,530	7.0	6,400
4.0	2,750	11.0	11,800				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,320	2,090	3,080	2,750	2,340	2,750	6,010	3,420	1,440	900	3,420	5,100
2	1,360	1,480	2,440	2,750	2,000	3,240	4,380	2,750	1,200	870	3,420	4,900
3	1,360	1,480	2,490	2,750	1,730	4,620	3,190	2,750	1,120	903	2,140	2,340
4	1,400	1,600	2,750	2,750	2,540	3,900	4,260	2,390	1,200	933	1,600	1,870
5	1,480	1,640	3,080	3,190	2,540	3,900	4,260	1,730	1,160	1,050	1,910	2,490
6	1,730	1,640	2,540	3,660	1,780	3,540	4,140	1,820	1,240	1,090	1,440	1,690
7	1,960	1,480	2,640	3,660	2,000	3,650	3,900	2,540	2,050	1,090	1,360	1,640
8	1,400	1,780	2,440	3,900	2,390	5,490	4,860	2,190	1,480	1,090	1,200	1,440
9	2,390	1,320	1,960	3,300	2,000	6,790	4,620	2,000	1,360	1,120	1,120	1,480
10	3,420	1,280	2,090	2,860	1,690	7,830	3,900	2,240	1,280	1,120	975	2,000
11	3,660	1,640	2,140	2,590	2,090	9,000	4,500	2,640	1,320	1,160	855	3,190
12	4,260	1,280	2,140	2,980	2,590	9,980	6,010	2,590	1,320	3,460	1,010	2,970
13	5,100	1,240	1,730	4,380	2,640	11,200	6,790	2,140	1,320	2,000	1,360	2,970
14	6,530	1,280	2,240	3,300	2,750	11,000	6,400	2,750	1,320	1,720	1,320	4,500
15	5,620	1,280	2,000	3,080	3,420	10,400	5,750	2,640	1,010	2,140	1,440	5,320
16	5,360	1,280	1,620	3,190	3,660	9,280	5,100	2,390	855	1,870	1,480	4,420
17	5,490	1,240	2,140	2,860	5,100	9,420	4,140	2,390	878	2,290	1,440	4,310
18	4,740	1,200	1,910	2,640	5,360	10,500	3,780	2,190	975	2,440	1,200	3,030
19	2,690	1,820	2,290	2,390	5,490	11,100	2,970	2,050	1,280	2,590	1,160	1,900
20	1,910	1,360	2,340	2,340	6,140	11,100	2,860	1,600	1,360	2,340	1,400	1,860
21	2,390	1,560	2,490	2,140	5,100	9,700	2,970	1,910	1,360	1,730	2,740	1,900
22	2,090	1,360	2,440	2,690	4,240	6,360	4,140	2,090	1,360	2,090	2,860	1,860
23	1,910	1,600	2,390	2,590	2,540	4,500	3,420	1,600	1,090	1,910	2,860	1,630
24	1,870	1,780	2,970	2,640	3,190	3,780	3,780	1,520	1,120	2,000	2,750	1,720
25	2,190	1,360	2,390	2,640	3,190	3,300	3,190	1,640	1,320	1,600	3,190	1,610
26	1,480	1,640	2,000	2,290	2,690	2,970	3,190	2,190	1,360	1,360	2,600	1,810
27	2,000	1,440	2,640	2,090	2,750	3,190	2,540	1,480	1,360	1,520	1,780	1,810
28	1,480	2,050	2,750	2,440	2,750	4,260	2,540	1,440	1,160	1,960	2,140	1,610
29	1,360	1,730	2,390	2,640	-	4,860	2,540	1,440	1,200	1,400	1,600	1,720
30	1,400	2,590	2,860	2,190	-	4,620	2,970	1,480	1,050	2,860	2,470	1,680
31	1,690	-	3,300	2,340	-	5,880	-	1,480	-	3,900	3,900	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	83,040	6,530	1,320	2,679	0.698	0.80
November	46,520	2,590	1,200	1,551	.404	.45
December	74,880	3,300	1,730	2,415	.629	.73
Calendar year						
January	88,010	4,380	2,090	2,839	.739	.85
February	86,700	6,140	1,690	3,096	.806	.84
March	202,110	11,200	2,750	6,520	1.70	1.96
April	123,100	6,790	2,540	4,103	1.07	1.19
May	65,480	3,420	1,440	2,112	.550	.63
June	37,548	2,050	855	1,252	.326	.36
July	54,516	3,900	870	1,759	.458	.53
August	60,140	3,900	855	1,940	.505	.58
September	77,170	5,320	1,440	2,572	.670	.75
Water year 1934-35	999,214	11,200	855	2,738	.713	9.67

Flint River at Albany, Ga.

Location.- Water-stage recorder, lat. 31°36', long. 84°9', at Georgia Northern Railway bridge in Albany, Dougherty County. Zero of gage is 150.00 feet above mean sea level (revised).

Drainage area.- 5,160 square miles.

Records available.- September 1929 to September 1935; at site 700 feet downstream February 1897 to June 1921 (only gage heights prior to January 1902).

Average discharge.- 24 years (1902-20, 1929-35), 6,390 second-feet.

Extremes.- Maximum discharge during year, 14,700 second-feet Mar. 19 (gage height, 11.70 feet); minimum, 558 second-feet Nov. 13 (gage height, 1.75 feet); minimum daily discharge, 762 second-feet Nov. 4.

1897-1921, 1929-35: Maximum gage height, 32.4 feet, former site and datum (U. S. Weather Bureau gage), Mar. 25, 1897 (discharge not determined); minimum discharge, 58 second-feet Nov. 18, 1933 (gage height, 0.44 foot); minimum daily discharge, 327 second-feet Aug. 24, 1930.

Maximum stage known, 37.84 feet (present datum) Jan. 21, 1925 (discharge, 92,000 second-feet).

Remarks.- Records good except those estimated on basis of hydrographic comparison with records on Flint River at Bainbridge, Ga., Dec. 15-21 and Feb. 16-23, which are fair. Flow regulated by power plants upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.0	695	5.0	3,610	9.0	10,600
2.5	1,000	6.0	5,230	10.0	12,200
3.0	1,350	7.0	7,050	11.0	13,700
3.5	1,770	8.0	8,890	11.7	14,700
4.0	2,290				

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,600	2,000	3,680	3,680	2,710	3,540	8,030	4,690	1,960	949	4,990	5,970
2	1,460	1,930	3,250	3,680	3,060	3,760	7,100	3,990	2,080	1,000	3,860	6,590
3	1,470	1,570	3,180	3,680	1,870	5,680	4,110	3,990	1,670	1,040	3,930	4,290
4	1,480	762	3,390	3,760	2,470	4,640	5,150	3,490	1,960	1,260	1,690	2,460
5	1,630	1,590	3,610	3,610	2,960	4,680	5,300	2,750	1,630	1,700	2,700	2,850
6	2,320	1,650	3,460	3,910	2,970	4,640	4,980	2,100	1,580	1,570	2,210	2,810
7	2,460	1,940	3,540	4,490	2,570	4,870	5,060	2,960	2,260	1,420	2,380	2,220
8	2,270	1,900	3,250	4,990	2,600	7,340	6,080	2,810	2,100	1,590	1,850	1,620
9	2,190	1,720	2,470	4,280	2,440	8,010	6,230	2,940	1,690	1,670	1,940	2,400
10	3,240	1,500	2,470	3,840	1,810	10,100	4,550	2,720	1,890	1,630	1,460	2,660
11	3,660	1,700	2,670	3,460	2,480	11,700	5,490	2,910	1,950	1,850	1,470	3,660
12	3,760	1,800	2,500	3,460	3,060	12,200	7,600	3,360	1,920	3,420	1,510	5,310
13	5,230	1,640	2,650	5,110	3,610	14,100	9,070	3,340	1,660	4,540	1,610	5,340
14	7,410	1,500	1,880	3,910	3,760	13,600	9,240	3,100	1,830	3,190	1,560	6,400
15	6,190	1,500	2,500	3,910	5,420	13,100	9,070	3,490	1,680	4,440	1,970	8,130
16	5,820	1,470	2,000	3,910	5,800	11,400	7,060	3,050	902	4,340	1,920	5,840
17	5,890	1,560	2,100	3,760	7,000	11,200	6,480	2,900	1,260	3,470	1,970	5,620
18	5,270	1,290	3,100	3,320	8,200	12,300	5,940	2,890	1,520	3,900	1,560	4,130
19	3,580	2,330	2,200	3,180	7,600	13,900	4,890	2,090	1,510	4,070	2,120	2,970
20	2,050	1,770	3,000	2,980	8,000	13,200	4,550	2,730	1,520	4,070	2,550	2,300
21	2,380	1,850	3,200	2,990	7,000	12,400	4,390	2,610	1,730	2,650	2,740	2,460
22	2,450	1,850	3,040	2,850	7,000	7,500	4,660	2,460	1,640	2,920	4,180	1,820
23	2,270	1,520	2,980	3,250	5,000	5,380	3,650	2,510	1,240	2,560	3,880	2,370
24	2,040	2,210	3,320	3,250	3,320	4,630	4,370	2,220	1,560	3,580	3,840	2,370
25	2,360	1,220	3,460	3,250	3,990	4,660	4,720	1,920	1,800	2,420	3,780	2,160
26	2,150	2,200	2,480	3,180	3,760	3,910	4,650	2,210	1,770	2,020	3,740	2,180
27	1,500	1,860	3,110	2,910	3,760	3,840	4,480	1,880	1,530	2,530	2,470	2,070
28	1,270	2,250	3,610	2,690	3,460	4,670	2,520	2,020	1,520	3,480	2,830	2,130
29	2,130	2,220	3,390	3,130	-	5,780	3,190	1,890	1,590	2,510	2,420	1,820
30	1,980	3,300	3,390	3,300	-	5,600	3,610	1,700	1,770	3,060	3,400	2,030
31	1,850	-	3,460	2,680	-	7,430	-	1,790	-	4,730	3,840	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	91,380	7,410	1,270	2,948	0.571	0.66
November	53,602	3,300	762	1,787	.346	.39
December	92,340	3,680	1,880	2,979	.577	.67
Calendar year 1934	1,504,960	21,000	668	4,123	.799	10.87
January	110,400	5,110	2,660	3,561	.690	.80
February	117,680	8,200	1,810	4,203	.815	.85
March	249,780	14,100	3,540	8,057	1.56	1.80
April	166,120	9,240	2,520	5,537	1.07	1.19
May	85,530	4,690	1,700	2,759	.535	.62
June	50,942	2,260	902	1,698	.329	.37
July	83,379	4,730	949	2,690	.521	.60
August	82,370	4,990	1,460	2,657	.515	.59
September	104,960	8,130	1,620	3,499	.678	.76
Water year 1934-35	1,288,483	14,100	762	3,530	.684	9.30

Flint River at Bainbridge, Ga.

Location.- Water-stage recorder, lat. 30°55', long. 84°34', at Decatur County Memorial Highway Bridge, in Bainbridge, Decatur County. Zero of gage is 58.06 feet above mean sea level.

Drainage area.- 7,290 square miles.

Records available.- January 1908 to December 1913, December 1928 to September 1935.

Extremes.- Maximum discharge during year, 14,200 second-feet Mar. 15 (gage height, 14.54 feet); minimum discharge, 2,380 second-feet July 3, 4; minimum gage height, 3.97 feet July 4.

1908-13, 1928-35: Maximum discharge, 83,200 second-feet Mar. 21, 1929 (gage height, 37.73 feet); minimum, 2,300 second-feet Dec. 7, 1931 (gage height, 3.80 feet).

Maximum stage known, 40.9 feet (present datum) Jan. 24, 1925 (discharge, 101,000 second-feet).

Remarks.- Records good. Some regulation by power plants upstream.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Mar. 20				Table for Mar. 21 to Sept. 30			
3.7	2,290	9.0	7,010	4.0	2,380	9.0	6,860
4.0	2,450	11.0	9,300	4.5	2,700	11.0	9,240
4.5	2,780	13.0	12,000	5.0	3,060	13.0	12,000
5.0	3,170	15.0	14,900	6.0	3,940	15.0	14,900
7.0	4,960			7.0	4,860		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,850	3,170	3,770	4,580	3,950	5,360	8,240	5,430	3,160	2,770	5,930	5,530
2	2,640	3,170	4,310	4,670	3,770	5,360	8,850	5,930	3,240	2,560	6,330	6,640
3	2,930	3,250	4,400	4,760	3,950	5,460	8,480	5,930	3,240	2,380	5,830	7,080
4	2,850	3,090	4,220	4,760	3,680	6,260	7,080	5,830	3,160	2,380	5,430	6,130
5	2,930	2,780	4,490	4,760	3,250	6,060	6,860	5,530	3,160	2,500	4,390	4,960
6	2,930	2,510	4,580	4,670	3,860	6,260	7,190	5,050	3,080	2,630	4,030	4,670
7	3,250	2,850	4,670	4,760	3,950	6,160	6,860	4,300	2,920	2,700	4,030	4,860
8	3,500	3,010	4,670	5,160	3,680	6,360	6,860	4,480	3,080	2,700	4,030	4,210
9	3,500	3,010	4,580	5,460	3,590	7,780	7,300	4,760	3,420	2,630	3,760	3,850
10	3,680	3,010	4,130	5,460	3,590	9,180	7,880	4,670	3,080	2,700	3,850	4,030
11	4,040	2,850	3,770	5,060	3,330	10,600	6,860	4,580	3,000	2,770	3,500	4,580
12	4,580	2,780	3,950	4,760	3,330	11,800	7,080	4,760	3,080	2,840	3,420	5,240
13	4,760	2,930	3,770	4,670	3,950	12,500	8,120	4,670	3,080	3,420	3,420	6,430
14	5,360	2,850	3,860	5,360	4,310	13,900	9,240	5,050	2,920	5,050	3,330	7,080
15	6,790	2,780	3,410	5,260	4,670	14,000	9,630	4,760	2,920	4,960	3,330	7,880
16	6,790	2,710	3,680	4,960	5,660	13,900	9,890	5,050	2,920	5,830	3,420	8,980
17	6,460	2,710	3,330	4,960	6,160	13,000	9,110	4,670	2,700	6,030	3,580	8,240
18	6,360	2,710	3,410	4,860	7,230	12,400	8,480	4,480	2,440	5,430	3,580	7,640
19	6,260	2,780	3,860	4,580	7,890	12,800	7,880	4,390	2,560	5,340	3,500	6,860
20	5,560	2,850	3,410	4,400	8,110	13,900	7,190	4,120	2,630	5,430	3,580	5,830
21	4,310	3,010	3,860	4,220	8,580	13,900	6,750	4,120	2,700	5,530	4,030	5,050
22	4,040	2,930	4,040	4,220	7,760	13,300	6,430	4,120	2,700	4,960	4,300	4,860
23	3,860	3,010	4,220	4,040	7,340	10,800	6,530	4,120	2,840	4,580	5,050	4,480
24	3,770	2,850	4,220	4,220	6,360	8,360	5,930	4,120	2,700	4,390	5,340	4,390
25	3,590	3,010	4,310	4,220	5,560	7,880	6,130	4,030	2,500	4,860	5,240	4,480
26	3,590	2,850	4,400	4,220	5,760	7,300	6,430	3,670	2,770	4,390	5,140	4,300
27	3,590	2,930	3,950	4,220	5,760	6,640	6,330	3,670	2,770	4,120	5,140	4,210
28	3,250	3,090	4,040	4,130	5,560	6,430	6,230	3,420	2,630	4,210	4,670	4,120
29	2,930	3,170	4,490	3,770	-	6,640	5,240	3,420	2,700	5,050	4,480	4,120
30	3,090	3,330	4,580	4,040	-	7,410	5,050	3,420	2,700	4,760	4,480	4,120
31	3,250	-	4,490	4,220	-	7,410	-	3,160	-	5,050	5,140	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	127,290	6,790	2,640	4,106	0.563	0.65
November	87,960	3,330	2,510	2,933	.402	.45
December	126,870	4,670	3,330	4,093	.561	.65
Calendar year 1934	2,102,030	20,100	2,510	5,759	.790	10.73
January	143,430	5,460	3,770	4,627	.635	.73
February	144,610	8,580	3,250	5,165	.709	.74
March	289,110	14,000	5,360	9,326	1.28	1.48
April	220,130	9,890	5,050	7,338	1.01	1.13
May	139,710	5,930	3,160	4,507	.618	.71
June	86,800	3,420	2,440	2,893	.397	.44
July	124,950	6,030	2,380	4,031	.553	.64
August	135,280	6,330	3,330	4,364	.599	.69
September	164,850	8,980	3,850	5,495	.754	.84
Water year 1934-35	1,791,010	14,000	2,380	4,907	.673	9.15

North Springs at Warm Springs, Ga.

Location.- Water-stage recorder, lat. 32°52'55", long. 84°40'15", in North Springs pool in Warm Springs, Meriwether County.

Records available.- December 1933 to June 1935 (discontinued).

Extremes.- Maximum discharge during period, 0.79 second-foot Oct. 9-12 (gage height, 1.30 feet); minimum, 0.50 second-foot Jan. 9 (gage height, 1.22 feet).
1933-35: Maximum discharge, 1.03 second-feet Mar. 23, 1934 (gage height, 1.36 feet); minimum, that of Jan. 9, 1935.

Remarks.- Records good. Discharge determined by formula $Q = 3.33 (L-0.2H)H^{3/2}$ for rectangular sharp-crested weir with end contractions. Discharge estimated June 29-30. Discharge affected by regulation at Cold Spring and by stage in reservoir at fish hatchery.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.22	.498
1.24	.568
1.26	.639
1.28	.712
1.30	.787
1.32	.865
1.34	.945
1.36	1.027

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.77	0.71	0.69	0.60	0.60	0.66	0.66	0.66	0.68			
2	.77	.71	.69	.59	.60	.66	.66	.68	.68			
3	.77	.71	.62	.57	.62	.66	.66	.69	.68			
4	.77	.71	.57	.55	.60	.64	.66	.69	.68			
5	.77	.71	.55	.55	.60	.66	.66	.71	.68			
6	.77	.71	.57	.55	.62	.68	.66	.71	.68			
7	.77	.71	.59	.53	.62	.66	.66	.69	.68			
8	.75	.71	.59	.53	.60	.66	.66	.68	.69			
9	.77	.71	.59	.53	.60	.66	.66	.68	.69			
10	.77	.71	.59	.55	.60	.66	.68	.68	.69			
11	.79	.71	.59	.60	.62	.64	.68	.66	.68			
12	.73	.71	.59	.60	.64	.66	.69	.68	.68			
13	.69	.71	.59	.60	.60	.66	.69	.68	.68			
14	.69	.69	.57	.59	.60	.66	.68	.68	.69			
15	.69	.69	.59	.57	.62	.66	.68	.69	.68			
16	.71	.69	.59	.57	.60	.66	.68	.69	.68			
17	.73	.69	.59	.59	.62	.66	.69	.69	.69			
18	.71	.69	.59	.57	.62	.66	.69	.68	.69			
19	.71	.69	.60	.57	.64	.64	.69	.69	.69			
20	.71	.69	.59	.53	.64	.64	.69	.68	.69			
21	.71	.69	.59	.55	.62	.64	.71	.68	.71			
22	.71	.69	.59	.57	.64	.68	.69	.68	.71			
23	.71	.69	.59	.55	.64	.69	.69	.68	.69			
24	.71	.69	.59	.55	.62	.68	.69	.68	.69			
25	.71	.69	.60	.57	.64	.68	.71	.68	.69			
26	.71	.69	.60	.57	.64	.68	.69	.68	.68			
27	.71	.69	.60	.59	.64	.68	.69	.68	.68			
28	.71	.69	.60	.59	.64	.69	.71	.68	.68			
29	.71	.69	.60	.59	-	.68	.71	.68	.68			
30	.71	.69	.60	.59	-	.69	.68	.69	.69			
31	.71	-	.59	.60	-	.69	-	.68	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	22.65	0.79	0.69	0.731		
November	20.96	.71	.69	.699		
December	16.49	.69	.55	.596		
Calendar year 1934	275.83	1.01	.55	.756		
January	17.66	.60	.53	.570		
February	17.34	.64	.60	.619		
March	20.62	.69	.64	.665		
April	20.45	.71	.66	.682		
May	21.20	.71	.66	.684		
June	20.58	.71	.68	.686		
July	-	-	-	-		
August	-	-	-	-		
September	-	-	-	-		
Water year						

Choctawhatchee River near Newton, Ala.

Location.- Wire-weight gage, lat. 31°21', long. 85°37', in T. 4 N., R. 24 E., at bridge on U. S. Highway 231, 1,500 feet above mouth of Hurricane Creek, 0.8 mile north of Newton, and a mile below Atlantic Coast Line Railroad bridge.

Drainage area.- 693 square miles (revised).

Records available.- May to September 1935; at gage 260 feet upstream June 1906 to August 1908, October 1911 to August 1912; at gage 800 feet upstream November 1921 to September 1927.

Extremes.- Maximum discharge observed during period, 5,550 second-feet July 14 (gage height, 12.42 feet); minimum observed, 74 second-feet June 28 (gage height, 1.65 feet).

1906-8, 1911-12, 1921-27, 1935: Maximum gage height, about 28 feet, former site and datum, Jan. 17, 1925 (discharge not determined); minimum discharge, 62 second-feet several days in September 1925 (gage height, -1.30 feet, former site and datum).

Maximum stage known, about 45 feet Mar. 15, 1929, present datum, (discharge not determined).

Remarks.- Records good. Some regulation by small gristmills upstream.

Rating table for period May 10 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

1.7	78	2.4	206	3.5	611	6.0	2,250
1.8	88	2.6	264	4.0	861	7.0	2,800
1.9	101	2.8	327	4.5	1,150	9.0	3,600
2.0	117	3.0	395	5.0	1,500	11.0	4,830
2.2	156	3.2	474	5.5	1,900	12.5	5,610

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	299	311	1,220	360
2								-	180	360	970	264
3								-	180	280	708	249
4								-	220	285	474	280
5								-	264	280	360	295
6								-	280	234	295	295
7								-	220	249	220	280
8								-	193	249	220	234
9								-	168	234	295	220
10								518	156	206	344	378
11								659	135	611	433	496
12								541	146	2,070	564	588
13								414	135	2,770	454	611
14								360	117	5,030	344	708
15								280	109	3,850	295	541
16								249	101	2,430	360	433
17								234	94	1,430	433	395
18								234	94	861	758	611
19								180	94	758	914	708
20								327	94	758	970	758
21								564	101	1,080	970	360
22								611	94	809	708	280
23								611	212	541	588	206
24								464	109	433	433	295
25								507	88	518	344	249
26								220	94	378	327	234
27								180	88	583	474	234
28								180	78	1,310	496	206
29								156	88	861	611	193
30								146	786	914	588	193
31								153	-	1,150	454	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May 10-31	7,788	659	146	354	0.511	0.42
June	5,017	786	78	167	.241	.27
July	31,853	5,030	206	1,028	1.48	1.71
August	16,624	1,220	220	536	.773	.89
September	11,154	758	193	372	.537	.60
Water year						

Choctawhatchee River at Caryville, Fla.

Location.- Water-stage recorder, lat. 30°47', long. 85°50', in sec. 10, T. 4 N., R. 16 W., at highway bridge 300 feet below Louisville & Nashville Railroad bridge and three-quarters of a mile west of Caryville, Holmes County. Zero of gage is 39.03 feet above mean sea level.

Drainage area.- 3,490 square miles.

Records available.- August 1929 to September 1935.

Extremes.- Maximum discharge during year, 12,600 second-feet Mar. 12 (gage height, 10.17 feet); minimum, 900 second-feet June 30 (gage height, -0.27 foot).
1929-35: Maximum discharge, 49,100 second-feet Oct. 4, 1929 (gage height, 14.83 feet); minimum discharge, 865 second-feet Oct. 28, 1931; minimum gage height, -0.27 foot June 30, 1935.

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

-0.2	920	1.4	1,560	4.0	2,850	7.5	6,200
0	1,000	1.6	1,640	4.5	3,220	8.0	6,940
.2	1,080	1.8	1,720	5.0	3,600	8.5	7,820
.4	1,160	2.0	1,800	5.5	4,020	9.0	8,880
.6	1,240	2.5	2,020	6.0	4,460	9.5	10,200
.8	1,320	3.0	2,250	6.5	4,960	10.0	11,800
1.0	1,400	3.5	2,520	7.0	5,520	10.5	13,700
1.2	1,480						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,160	1,320	2,300	3,150	2,070	3,150	3,220	6,200	1,680	1,200	4,860	4,200
2	1,120	1,360	3,150	3,080	2,020	3,000	3,150	6,790	1,640	1,800	5,520	3,380
3	1,080	1,400	3,000	2,920	2,020	2,850	3,150	6,060	1,640	1,720	5,520	2,720
4	1,080	1,480	2,660	2,780	1,980	2,780	3,450	4,760	1,760	1,720	4,560	2,420
5	1,200	1,680	2,720	2,660	1,980	2,720	4,110	4,200	2,160	1,800	3,380	2,160
6	2,120	1,800	2,720	2,780	1,980	2,720	4,560	3,770	2,660	1,720	2,690	2,020
7	4,760	1,720	2,470	3,000	1,940	3,940	4,560	3,300	2,250	1,640	2,160	1,940
8	5,070	1,640	2,200	2,920	1,940	6,200	5,070	3,150	1,940	1,720	2,520	1,840
9	7,110	1,560	2,120	2,780	1,890	8,220	6,340	3,680	1,720	1,640	2,470	1,800
10	6,490	1,480	2,120	2,780	1,890	10,200	6,940	3,770	1,600	1,580	2,300	1,940
11	5,070	1,440	2,070	2,850	1,940	11,800	6,060	3,770	1,480	1,440	2,520	2,360
12	4,760	1,400	1,980	2,780	1,980	12,200	5,070	4,020	1,400	1,520	3,150	3,080
13	4,660	1,360	1,940	2,590	3,000	11,800	5,180	4,020	1,360	2,590	3,000	3,600
14	4,280	1,320	1,890	2,520	5,180	11,400	5,920	3,520	1,280	3,770	2,850	3,940
15	3,520	1,320	1,890	2,360	6,640	11,400	6,790	3,000	1,200	4,860	2,590	4,110
16	2,920	1,320	1,890	2,300	7,280	10,800	7,280	2,660	1,160	5,920	2,590	4,280
17	2,590	1,320	1,840	2,200	7,820	9,130	7,110	2,300	1,120	6,790	3,000	4,020
18	2,300	1,320	1,800	2,250	8,440	7,460	5,920	2,120	1,120	6,940	3,450	3,300
19	2,120	1,320	2,020	2,420	8,440	6,640	4,660	1,980	1,120	5,400	3,860	3,450
20	1,940	1,400	2,850	2,470	7,110	6,200	3,940	1,890	1,160	4,110	4,560	5,070
21	1,800	1,400	3,600	2,420	5,780	5,520	3,520	2,660	1,160	3,660	5,290	5,920
22	1,720	1,440	3,450	2,360	4,860	4,960	3,450	3,600	1,120	3,770	5,780	5,920
23	1,640	1,680	3,000	2,590	4,370	4,560	3,680	3,860	1,120	3,520	6,200	4,660
24	1,600	2,070	2,720	2,470	4,020	4,200	3,450	3,600	1,120	2,920	5,920	3,680
25	1,560	2,160	2,520	3,000	3,770	3,940	3,220	3,520	1,160	2,470	4,960	3,080
26	1,520	2,020	2,420	2,720	3,600	3,770	3,080	3,080	1,080	2,470	3,940	2,520
27	1,480	1,890	2,520	2,590	3,380	3,520	2,920	2,470	1,000	2,360	3,300	2,200
28	1,440	1,840	3,300	2,420	3,300	3,450	2,780	2,070	960	2,360	3,600	1,980
29	1,360	1,800	3,520	2,300	-	3,450	3,860	1,840	920	3,450	4,760	1,890
30	1,320	1,890	3,450	2,250	-	3,380	5,180	1,720	920	4,370	5,290	1,760
31	1,320	-	3,300	2,160	-	3,300	-	1,680	-	4,280	5,070	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	82,110	7,110	1,080	2,649	0.759	0.88
November	47,150	2,160	1,320	1,572	.450	.50
December	79,430	3,600	1,800	2,562	.734	.85
Calendar year 1934	1,155,010	23,200	1,080	3,164	.907	12.32
January	80,870	3,150	2,160	2,609	.748	.86
February	110,620	8,440	1,890	3,951	1.13	1.18
March	188,660	12,200	2,720	6,086	1.74	2.01
April	137,620	7,280	2,780	4,587	1.31	1.46
May	105,060	6,790	1,680	3,389	.971	1.12
June	42,010	2,660	920	1,400	.401	.45
July	95,690	6,940	1,200	3,087	.885	1.02
August	121,560	6,200	2,160	3,921	1.12	1.29
September	95,240	5,920	1,760	3,175	.910	1.02
Water year 1934-35	1,186,020	12,200	920	3,249	.931	12.64

Choctawhatchee River near Bruce, Fla.

Location.- Water-stage recorder, lat. 30°27', long. 85°54', in sec. 36, T. 1 N., R. 17 W., at bridge on State Highway 10 about 5 miles southeast of Bruce. Zero of gage is 3.94 feet above mean sea level.

Drainage area.- 4,580 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 13,600 second-feet Mar. 16 (gage height, 8.23 feet); minimum, 1,700 second-feet July 1 (gage height, 0.42 foot).

1931-35: Maximum observed discharge, 40,700 second-feet Apr. 18, 1933 (gage height, 12.40 feet); minimum observed discharge, 1,680 second-feet Nov. 10-13, 1931; minimum gage height, 0.42 foot July 1, 1935.

Maximum stage known, 25.0 feet in March 1929 (estimated discharge, 220,000 second-feet).

Remarks.- Records good.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.4	1,700	2.0	2,750	4.5	4,920
.6	1,810	2.2	2,900	5.0	5,620
.8	1,930	2.4	3,060	5.5	6,480
1.0	2,060	2.6	3,220	6.0	7,430
1.2	2,190	2.8	3,380	6.5	8,550
1.4	2,320	3.0	3,540	7.0	9,800
1.6	2,460	3.5	3,970	7.5	11,200
1.8	2,600	4.0	4,420	8.0	12,800
				8.2	13,600

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,000	2,120	3,460	4,150	3,060	4,920	4,330	4,420	2,960	1,700	4,600	8,550
2	1,930	2,120	3,620	4,150	2,980	4,700	4,240	4,810	2,820	1,810	4,810	8,300
3	1,870	2,190	3,680	4,060	2,900	4,510	4,240	5,470	2,680	2,120	4,920	7,830
4	1,870	2,390	4,060	3,970	2,900	4,330	4,240	6,300	2,680	2,320	5,170	7,030
5	2,000	2,460	3,970	3,880	2,820	4,150	4,240	6,840	2,750	2,390	5,320	6,130
6	2,460	2,530	3,790	3,700	2,750	4,060	4,420	7,030	2,980	2,460	5,470	5,040
7	3,140	2,600	3,700	3,700	2,750	4,060	4,700	6,480	3,220	2,460	5,170	4,330
8	3,970	2,530	3,620	3,700	2,750	4,330	5,040	5,960	3,220	2,320	4,420	3,880
9	4,420	2,460	3,460	3,880	2,750	4,810	5,320	5,170	2,980	2,320	3,790	3,620
10	4,920	2,390	3,220	3,880	2,750	5,320	5,620	4,920	2,680	2,320	3,700	3,700
11	5,470	2,320	3,140	3,790	2,750	6,300	5,960	4,920	2,460	2,260	3,620	4,060
12	6,300	2,190	3,060	3,700	2,820	7,630	6,480	5,040	2,320	2,320	3,620	4,510
13	6,660	2,120	2,900	3,700	3,620	9,800	7,030	5,170	2,190	2,390	3,880	4,810
14	6,480	2,120	2,900	3,620	4,420	12,100	7,230	5,170	2,190	2,980	4,060	5,040
15	6,310	2,060	2,820	3,540	5,170	13,600	7,030	5,170	2,060	3,700	4,510	5,470
16	5,620	2,060	2,820	3,380	5,790	13,600	6,660	4,920	2,060	4,150	5,040	5,790
17	5,040	2,060	2,750	3,300	6,300	13,600	6,660	4,510	2,000	4,510	5,320	6,130
18	4,420	2,060	2,750	3,220	7,230	13,200	7,030	4,060	1,930	4,920	5,470	6,300
19	3,880	2,060	2,820	3,140	8,050	12,100	7,430	3,540	1,930	5,470	5,620	6,300
20	3,460	2,060	2,980	3,220	8,800	11,200	7,430	3,380	1,870	6,130	5,790	6,130
21	3,060	2,120	3,300	3,300	9,550	9,800	7,230	3,460	1,870	6,660	5,960	5,790
22	2,900	2,390	3,790	3,380	9,550	8,800	6,480	3,700	1,870	6,480	5,960	5,960
23	2,680	2,680	4,060	3,380	9,300	8,050	5,620	4,150	1,870	6,130	6,130	6,300
24	2,600	2,900	4,060	3,380	8,300	7,230	4,810	4,510	1,810	5,620	6,300	6,660
25	2,530	3,060	3,970	3,540	7,430	6,660	4,510	4,600	1,810	5,170	6,660	6,840
26	2,460	3,140	3,700	3,700	6,660	5,960	4,330	4,600	1,810	4,700	7,030	6,660
27	2,390	3,060	3,540	3,700	5,960	5,320	4,150	4,510	1,810	4,420	7,630	5,790
28	2,320	2,900	3,460	3,620	5,320	4,920	3,970	4,240	1,810	4,150	9,300	4,810
29	2,260	2,900	3,700	3,460	-	4,600	3,970	3,700	1,760	3,970	9,300	4,240
30	2,190	3,140	3,970	3,300	-	4,510	4,060	3,220	1,760	4,060	9,050	3,700
31	2,120	-	4,150	3,220	-	4,420	-	3,140	-	4,420	8,800	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	109,550	6,660	1,870	3,534	0.772	0.89
November	73,190	3,140	2,060	2,440	.533	.59
December	107,420	4,150	2,750	3,465	.757	.87
Calendar year 1934	1,601,210	26,500	1,870	4,387	.958	12.99
January	111,660	4,150	3,140	3,602	.786	.91
February	145,430	9,550	2,750	5,194	1.13	1.18
March	228,590	13,600	4,060	7,374	1.61	1.86
April	164,460	7,430	3,970	5,482	1.20	1.34
May	147,110	7,030	3,140	4,745	1.04	1.20
June	68,180	3,220	1,760	2,273	.496	.55
July	116,830	6,660	1,700	3,769	.823	.95
August	176,420	9,300	3,620	5,691	1.24	1.43
September	169,700	8,550	3,620	5,657	1.24	1.38
Water year 1934-35	1,618,540	13,600	1,700	4,434	.968	13.15

Pea River near Samson, Ala.

Location.- Wire-weight gage, lat. 31°7', long. 86°6', in T. 2 N., R. 19 E., at bridge on State Highway 12, 500 feet below Boyenton Creek, 1½ miles below old U. S. Geological Survey station at Pera, 3 miles west of Samson, and 19 miles above junction with Choctawhatchee River.

Drainage area.- 1,170 square miles.

Records available.- May to September 1935.

Extremes.- Maximum discharge observed during period, 5,220 second-feet Aug. 20 (gage height, 16.18 feet); minimum observed, 103 second-feet June 29 (gage height, 0.90 foot).

Maximum stage known, 45.3 feet Mar. 15, 1929, from flood marks (discharge not determined).

Remarks.- Records good. Regulation by power plant upstream.

Rating table for period May 9 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

0.9	103	6.0	1,230
1.4	198	8.0	1,830
2.0	318	10.0	2,560
3.0	528	12.0	3,360
4.0	748	14.0	4,220
5.0	979	16.2	5,220

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	402	360	3,230	1,180
2								-	423	572	2,180	771
3								-	594	660	1,610	726
4								-	1,250	465	979	528
5								-	947	402	682	507
6								-	682	528	616	423
7								-	594	616	748	572
8								-	486	594	726	339
9								1,450	423	360	660	360
10								1,340	381	402	660	528
11								1,180	402	1,220	638	594
12								1,280	339	1,180	1,060	660
13								1,050	360	1,510	748	726
14								909	228	1,570	550	1,200
15								817	298	2,640	594	2,070
16								726	278	2,450	1,170	1,420
17								682	258	1,730	1,000	1,030
18								594	258	1,370	1,050	932
19								550	238	1,180	2,580	1,860
20								638	218	1,230	4,960	2,940
21								840	278	1,100	3,910	1,520
22								886	248	863	2,760	979
23								1,100	278	550	2,380	863
24								863	198	423	1,950	748
25								682	208	507	1,200	682
26								594	208	444	886	704
27								423	208	550	1,230	572
28								444	218	1,100	1,670	278
29								402	179	1,370	1,830	360
30								381	179	1,860	1,340	198
31								381	-	3,760	1,200	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May 9-31	18,212	1,450	381	792	0.677	0.58
June	11,261	1,250	179	375	.321	.36
July	33,566	3,760	360	1,083	.926	1.07
August	46,797	4,960	550	1,510	1.29	1.49
September	26,270	2,940	198	876	.749	.84
Water year						

Yellow River near Holt, Fla.

Location.- Staff gage, lat. 30°41', long. 86°45', in sec. 16 (revised), T. 2 N., R. 25 W., at county highway bridge 2½ miles south of Holt. Zero of gage is 18.02 feet above mean sea level.

Drainage area.- 1,260 square miles.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge during year, 25,000 second-feet Oct. 9 (gage height, 12.80 feet, from flood marks); minimum observed, 812 second-feet Oct. 2 (gage height, 0.79 foot).
1933-35: Maximum discharge, that of Oct. 9, 1934; minimum, that of Oct. 2, 1934. Maximum stage known, about 25.4 feet in 1929 (discharge not determined).

Remarks.- Records good except those above 12,000 second-feet, which are fair. Discharge interpolated Mar. 31 and Apr. 1.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

0.7	778	2.4	1,360	4.7	2,150	8.5	9,050
1.0	860	2.6	1,420	5.0	2,290	9.0	10,900
1.2	948	2.8	1,490	5.5	2,570	9.5	12,600
1.4	1,020	3.0	1,560	6.0	2,900	10.0	14,600
1.6	1,080	3.3	1,660	6.5	3,500	10.5	16,400
1.8	1,150	3.7	1,800	7.0	4,400	11.0	18,300
2.0	1,220	4.0	1,900	7.5	5,600	11.5	20,200
2.2	1,290	4.3	2,000	8.0	7,250	12.0	22,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	846	1,490	1,970	2,000	1,390	1,590	1,640	2,400	1,590	1,190	3,500	3,360
2	812	1,530	2,240	1,830	1,360	1,560	1,490	3,110	1,590	1,080	2,630	2,820
3	812	1,490	2,340	1,870	1,360	1,530	1,490	4,010	1,930	1,250	2,240	2,290
4	1,120	1,660	2,240	1,830	1,360	1,490	1,700	3,230	1,970	1,250	2,240	1,970
5	2,340	1,830	2,000	1,870	1,320	1,460	2,040	2,570	2,070	1,250	1,970	1,870
6	9,050	1,900	1,700	2,150	1,290	1,490	2,240	1,900	2,150	1,530	1,560	1,730
7	19,000	1,760	1,760	2,190	1,290	1,760	2,570	1,630	2,070	1,290	1,460	1,630
8	22,000	1,560	1,660	2,750	1,290	2,240	2,750	1,700	1,700	1,190	1,390	1,530
9	20,500	1,530	1,630	2,190	1,290	2,820	3,000	1,800	1,560	1,050	1,970	1,700
10	16,100	1,490	1,590	2,000	1,290	3,000	3,230	2,040	1,390	1,020	2,070	2,000
11	12,000	1,460	1,560	2,000	1,250	3,110	3,110	2,340	1,290	948	2,290	2,190
12	9,050	1,390	1,530	1,800	1,290	4,620	2,900	2,690	1,220	1,050	2,340	2,290
13	6,890	1,360	1,490	1,660	1,900	4,850	2,690	2,820	1,150	1,120	2,340	2,340
14	5,600	1,360	1,460	1,630	2,290	4,400	2,290	2,570	1,120	1,450	2,290	2,290
15	4,620	1,320	1,460	1,560	2,690	3,660	1,830	2,340	1,120	1,470	2,570	2,000
16	3,830	1,320	1,420	1,560	3,830	3,000	1,730	2,000	1,150	1,970	2,750	1,730
17	3,500	1,320	1,420	1,560	4,010	2,820	1,630	1,590	1,120	2,170	2,570	1,560
18	2,750	1,390	1,420	1,560	3,830	2,750	1,490	1,460	1,080	2,270	2,750	1,560
19	2,690	1,360	1,660	1,530	3,660	2,570	1,420	1,320	1,150	2,150	3,000	1,590
20	2,190	1,320	1,930	1,490	3,230	2,240	1,390	1,290	1,830	1,870	3,110	2,110
21	2,070	1,320	2,110	1,830	2,900	2,040	1,590	1,870	2,070	1,830	2,900	2,340
22	1,970	1,460	2,190	1,800	2,570	1,930	1,560	2,290	1,420	1,970	3,000	2,630
23	1,900	2,000	2,040	1,760	2,040	1,800	1,530	2,630	1,320	1,970	3,110	2,750
24	1,830	2,040	1,900	2,000	1,800	1,730	1,490	3,500	1,630	1,830	2,820	2,570
25	1,730	2,000	1,700	1,970	1,760	1,660	1,420	3,660	1,460	1,970	2,690	2,190
26	1,700	1,970	1,590	1,870	1,730	1,590	1,360	3,660	1,190	2,070	2,290	1,730
27	1,660	2,000	1,560	1,830	1,700	1,560	1,420	3,110	1,080	1,970	2,820	1,590
28	1,630	1,930	1,700	1,630	1,630	1,630	1,420	2,290	1,220	1,970	3,500	1,490
29	1,630	1,730	2,040	1,490	-	1,730	1,460	1,700	1,220	2,210	4,400	1,420
30	1,590	1,700	2,110	1,530	-	1,730	2,000	1,490	1,080	2,930	4,200	1,390
31	1,530	-	2,150	1,420	-	1,680	-	1,420	-	4,270	4,010	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	164,940	22,000	812	5,321	4.22	4.86
November	47,990	2,040	1,320	1,600	1.27	1.42
December	55,570	2,340	1,420	1,793	1.42	1.64
Calendar year 1934	708,590	22,000	812	1,941	1.54	20.90
January	56,160	2,750	1,420	1,812	1.44	1.66
February	57,350	4,010	1,250	2,048	1.63	1.70
March	72,040	4,850	1,460	2,324	1.84	2.12
April	57,880	3,230	1,360	1,929	1.53	1.71
May	72,430	4,010	1,290	2,336	1.85	2.13
June	43,940	2,150	1,080	1,465	1.16	1.29
July	53,078	4,200	948	1,712	1.36	1.57
August	82,780	4,400	1,390	2,670	2.12	2.44
September	60,660	3,360	1,390	2,022	1.60	1.78
Water year 1934-35		22,000	812	2,260	1.79	24.32

Conecuh River near Andalusia, Ala.

Location.- Water-stage recorder, lat. 31°16', long. 86°36', in T. 3 N., R. 15 E., at Simmons Bridge, 7½ miles southwest of Andalusia.

Drainage area.- 1,300 square miles.

Records available.- August 1904 to December 1919, September 1929 to September 1935.

Average discharge.- 21 years (1904-19, 1929-35), 1,800 second-feet.

Extremes.- Maximum discharge during year, 14,500 second-feet Mar. 11 (gage height, 27.77 feet); minimum, 43 second-feet Oct. 1 (gage height, 0.40 foot); minimum daily discharge, 180 second-feet Oct. 1.
1904-19, 1929-35: Maximum discharge (estimated), 26,000 second-feet Mar. 18, 1913; minimum discharge, that of Oct. 1, 1934; minimum gage height, 0.39 foot July 7, 1930; minimum daily discharge, 56 second-feet Oct. 15, 1933.
Maximum stage known, 47.64 feet Mar. 15, 1929 (discharge, 154,000 second-feet).

Remarks.- Records good except those estimated Nov. 12-14, which are fair. Flow regulated by power plants upstream.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.0	139	4.0	1,010	14.0	4,870	22.0	9,650
1.2	178	5.0	1,360	15.0	5,350	24.0	11,200
1.5	242	6.0	1,710	16.0	5,860	26.0	12,800
2.0	367	7.0	2,060	17.0	6,410	28.0	14,700
2.5	511	8.0	2,440	18.0	6,980		
3.0	667	10.0	3,240	19.0	7,580		
3.5	835	12.0	4,040	20.0	8,220		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	180	648	1,360	1,790	1,500	1,020	1,680	2,790	489	511	1,980	848
2	357	672	808	1,760	2,200	1,160	1,650	1,980	1,030	820	1,370	774
3	322	581	1,290	1,440	1,070	1,220	1,870	2,060	758	706	852	662
4	330	520	1,370	1,400	718	1,380	1,940	2,300	1,710	786	510	920
5	3,180	434	1,330	1,460	778	2,010	1,790	2,460	915	738	634	945
6	8,040	700	1,190	1,780	784	6,160	1,620	2,130	571	580	709	960
7	6,190	689	918	1,340	976	8,450	2,890	4,140	1,350	306	731	936
8	4,100	687	1,040	1,210	745	11,800	2,440	3,540	542	318	542	460
9	3,500	682	628	1,460	904	11,700	2,560	3,250	486	404	648	790
10	5,150	564	1,170	1,060	690	13,300	1,970	2,430	513	393	566	878
11	5,300	370	1,020	1,430	1,160	13,900	2,990	2,200	676	379	442	808
12	4,360	585	650	1,430	1,140	13,400	4,240	2,400	742	968	486	810
13	2,890	676	650	1,450	1,850	10,800	5,150	2,320	734	830	658	767
14	2,420	700	650	1,640	1,960	7,990	4,900	2,270	738	479	704	603
15	2,140	596	540	1,280	2,840	6,860	3,360	1,620	573	1,180	778	316
16	1,540	594	736	993	3,520	5,860	3,350	2,180	356	1,100	670	480
17	974	445	1,180	1,180	3,090	4,360	2,870	1,550	625	430	697	626
18	970	393	784	1,110	2,170	4,280	2,660	1,130	796	618	2,180	774
19	960	598	834	653	2,150	3,520	2,190	1,010	866	572	1,300	822
20	729	672	872	1,150	2,320	3,560	1,880	1,570	778	1,280	2,260	825
21	532	718	1,140	1,190	2,080	3,550	2,200	1,400	628	484	2,660	1,150
22	509	779	1,380	2,050	1,890	2,690	1,920	1,810	515	324	1,620	670
23	788	629	1,570	1,740	1,570	2,270	1,540	1,130	323	546	1,220	732
24	786	579	583	1,530	1,340	2,250	1,540	974	550	466	1,310	746
25	804	986	1,220	1,470	1,040	1,590	1,550	1,220	630	446	1,140	718
26	618	831	1,290	1,670	1,540	1,400	1,280	748	697	434	1,330	819
27	758	1,020	1,630	1,740	1,300	1,090	1,430	588	826	550	1,230	734
28	402	986	2,080	1,120	992	1,080	2,130	642	892	2,050	947	598
29	574	832	1,330	1,200	-	1,140	2,730	422	766	606	935	335
30	620	1,560	1,620	1,140	-	1,170	3,630	542	438	1,340	1,040	522
31	675	-	1,670	896	-	1,640	-	567	-	2,990	1,180	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	60,878	8,040	180	1,964	1.51	1.74
November	20,717	1,560	370	691	.532	.59
December	34,533	2,080	540	1,114	.857	.99
Calendar year 1934	466,403	11,300	105	1,278	.983	13.33
January	42,662	2,730	653	1,376	1.06	1.22
February	44,317	3,520	690	1,583	1.22	1.27
March	152,600	13,900	1,020	4,923	3.79	4.37
April	73,950	5,150	1,280	2,465	1.90	2.12
May	55,373	4,140	422	1,786	1.37	1.58
June	21,513	1,710	323	717	.552	.62
July	23,634	2,990	306	762	.586	.68
August	33,329	2,660	442	1,075	.827	.95
September	22,230	1,150	318	741	.570	.64
Water year 1934-35	585,736	13,900	180	1,605	1.23	16.77

Conecuh River near Brooklyn, Ala.

Location.- Wire-weight gage, lat. 31°10', long. 86°48', in sec. 6, T. 2 N., R. 13 E., at bridge on U. S. Highway 29, 4 miles below Boller Creek, 8 miles southwest of Brooklyn, and 30 miles above Murder Creek.

Drainage area.- 2,400 square miles.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 7,060 second-feet May 8 (gage height at crest, 14.66 feet); minimum observed, 456 second-feet Sept. 30 (gage height, 2.80 feet).

Maximum stage known, about 41 feet Mar. 15, 1929 (discharge not determined).

Remarks.- Records good. Some regulation from power plants upstream.

Rating table for period May 7 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

3.0	512	8.0	2,670
3.5	663	9.0	3,230
4.0	830	10.0	3,830
4.5	1,000	11.0	4,440
5.0	1,200	12.0	5,090
5.5	1,420	13.0	5,790
6.0	1,660	14.0	6,540
7.0	2,160	15.0	7,290

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	1,280	900	3,530	1,460
2								-	1,370	1,120	3,060	1,120
3								-	2,260	1,420	2,140	1,160
4								-	2,780	1,510	1,240	1,280
5								-	2.210	1,460	900	1,280
6								-	1,610	1,280	935	1,280
7								5,860	2,010	1,200	1,120	1,120
8								6,610	1,560	1,370	1,080	1,040
9								6,160	1,330	1,420	1,080	761
10								4,820	900	1,240	1,040	1,370
11								4,190	1,040	1,040	1,120	1,370
12								3,950	1,080	1,120	728	1,280
13								4,010	1,080	2,110	970	1,280
14								3,710	1,120	2,460	935	1,280
15								3,350	1,040	1,460	1,080	1,420
16								3,060	900	2,460	1,420	1,240
17								2,950	761	1,200	1,660	1,000
18								2,260	1,160	1,000	2,010	1,000
19								1,760	1,280	1,000	2,840	1,120
20								2,060	1,280	1,120	2,890	1,460
21								2,990	1,240	1,080	3,470	1,560
22								2,510	1,040	830	3,120	1,420
23								2,900	1,040	1,120	2,780	1,040
24								2,040	935	1,330	2,360	1,040
25								2,310	970	900	2,060	1,040
26								1,610	970	865	1,860	1,040
27								1,160	1,460	970	1,810	970
28								1,560	1,240	2,030	1,810	865
29								1,080	1,160	2,420	1,560	761
30								1,000	1,000	1,760	1,420	512
31								1,160	-	3,110	1,370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May 7-31	75,070	6,610	1,000	3,003	1.25	1.16
June	39,106	2,780	761	1,304	.543	.61
July	44,305	3,110	830	1,429	.595	.69
August	55,398	3,530	728	1,787	.745	.86
September	34,569	1,560	512	1,152	.480	.64
Water year						

Escambia River near Century, Fla.

Location.- Wire-weight gage, lat. 30°58', long. 87°15', on line between sec. 9 and 10, T. 5 N., R. 30 W., on hand rail of bridge on State Highway 62, 1¾ miles east of Century, Escambia County.

Drainage area.- 3,700 square miles.

Records available.- October 1934 to September 1935.

Extremes.- Maximum observed discharge during year, 33,300 second-feet Mar. 9 (gage height, 17.72 feet); minimum, 1,300 second-feet (estimated) Oct. 2, 3 (gage height, 2.6 feet, estimated).
Maximum stage known, 37.8 feet in March 1929 (discharge 315,000 second-feet, from extension of rating curve).

Remarks.- Records good except those estimated Oct. 1-8, 10, 11, which are fair. Estimates based on comparison with U. S. Weather Bureau records on Conecuh River at Brewton, Ala.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

3.0	1,500	5.0	2,650	9.5	6,450	14.0	13,100
3.2	1,600	5.5	3,000	10.0	7,000	14.5	14,100
3.4	1,700	6.0	3,350	10.5	7,600	15.0	15,500
3.6	1,810	6.5	3,700	11.0	8,200	15.5	17,000
3.8	1,930	7.0	4,100	11.5	8,900	16.0	18,800
4.0	2,050	7.5	4,500	12.0	9,600	16.5	21,200
4.2	2,170	8.0	4,950	12.5	10,400	17.0	24,300
4.4	2,290	8.5	5,400	13.0	11,300	17.5	30,500
4.6	2,410	9.0	5,900	13.5	12,200	18.0	37,500
4.8	2,530						

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,600	2,110	3,780	4,860	3,070	4,770	5,310	12,400	2,790	2,350	3,560	2,170
2	1,300	2,110	4,260	4,680	3,210	5,040	5,220	12,000	3,140	2,230	4,420	2,530
3	1,300	2,110	3,780	4,590	3,860	4,590	6,010	10,400	3,700	2,290	3,490	2,170
4	1,400	2,170	3,490	4,180	3,700	4,590	7,600	8,080	6,780	2,530	2,930	2,050
5	1,800	2,470	3,700	4,660	3,000	4,860	7,600	6,230	7,360	2,790	2,350	2,050
6	11,000	2,350	3,560	6,340	2,650	11,300	7,480	6,340	6,010	2,930	1,930	2,050
7	17,000	2,170	3,350	5,600	3,140	18,800	7,600	7,120	3,940	2,790	1,990	1,990
8	17,000	2,290	2,660	5,130	2,720	26,900	10,600	9,920	3,420	2,530	2,050	1,930
9	17,600	2,230	3,070	4,680	2,720	31,900	10,800	10,200	2,860	2,410	2,290	1,990
10	17,000	2,170	2,650	4,860	2,650	31,900	9,760	9,760	2,530	2,290	2,290	1,600
11	15,000	1,990	2,650	4,420	2,720	29,200	8,620	8,620	2,290	2,170	2,170	2,410
12	14,100	1,990	2,650	4,180	3,070	29,200	8,200	7,360	2,230	2,050	2,170	2,650
13	13,300	1,650	2,650	4,100	4,770	30,500	11,100	7,000	2,170	2,170	1,930	2,470
14	12,400	1,650	2,350	3,700	6,890	30,500	12,400	6,450	2,230	3,780	2,110	2,290
15	9,460	1,930	2,350	3,940	9,760	26,900	13,100	5,700	2,290	3,490	1,990	2,170
16	6,890	1,990	2,350	3,700	11,700	23,100	12,900	5,040	2,470	3,000	2,170	2,050
17	5,600	1,930	2,230	3,280	13,100	18,000	11,700	4,680	2,470	3,070	3,490	1,810
18	4,260	1,930	2,410	3,280	13,100	17,600	9,760	3,860	2,290	2,290	4,260	1,870
19	3,630	1,930	3,630	3,490	11,800	15,500	7,960	3,560	2,410	2,110	4,500	2,050
20	3,350	1,870	4,500	3,350	9,600	13,300	6,120	4,180	3,070	2,230	5,900	2,470
21	3,140	1,750	4,260	3,000	7,840	9,920	6,340	6,120	2,790	2,470	5,400	2,530
22	2,860	2,350	4,420	4,680	6,230	9,460	6,670	7,480	2,650	2,650	5,130	2,290
23	2,530	4,590	3,940	6,010	5,700	8,480	6,010	5,700	2,590	2,050	5,130	2,350
24	2,530	5,130	3,060	6,670	5,310	7,120	5,220	4,680	2,470	1,870	5,500	1,990
25	2,350	4,500	3,210	5,900	4,420	6,890	4,260	3,940	2,170	2,290	5,900	1,870
26	2,530	3,860	3,140	5,130	4,100	6,340	4,680	3,490	2,050	2,110	4,100	1,810
27	2,470	3,280	4,260	4,770	4,340	5,500	4,500	3,350	2,050	2,230	3,140	1,750
28	2,410	3,210	5,130	4,500	4,420	5,130	5,040	2,650	2,110	2,930	3,630	1,750
29	2,290	2,790	5,500	4,100	-	5,040	6,120	2,290	2,170	3,700	3,420	1,700
30	2,050	3,070	5,310	3,490	-	4,770	11,700	2,470	2,350	4,420	2,930	1,600
31	2,050	-	4,950	3,490	-	4,500	-	2,530	-	3,350	2,650	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	202,200	17,600	1,300	6,523	1.76	2.03
November	75,470	5,130	1,550	2,516	.680	.76
December	110,250	5,500	2,230	3,556	.961	1.11
Calendar year						
January	138,780	6,670	3,000	4,477	1.21	1.40
February	159,590	13,100	2,650	5,700	1.54	1.60
March	451,600	31,900	4,500	14,570	3.94	4.54
April	240,380	13,100	4,260	8,013	2.17	2.42
May	193,600	12,400	2,290	6,245	1.69	1.95
June	89,650	7,360	2,050	2,995	.809	.90
July	81,570	4,420	1,870	2,631	.711	.82
August	104,920	5,900	1,930	3,385	.915	1.05
September	62,410	2,650	1,600	2,080	.562	.63
Water year 1934-35	1,910,620	31,900	1,300	5,235	1.41	19.21

Coosa River at Gadsden, Ala.

Location.- Water-stage recorder, lat. 34°1', long. 86°, in T. 12 S., R. 6 E., at Etowah County Memorial Bridge, on U. S. Highway 241 in Gadsden, 700 feet below Louisville & Nashville Railroad bridge. Zero of gage is 485.16 feet above mean sea level.

Drainage area.- 5,800 square miles.

Records available.- October 1926 to March 1932, May to September 1935.

Extremes.- Maximum discharge during period, 13,200 second-feet Aug. 20 (gage height, 8.79 feet); minimum, 1,450 second-feet Sept. 30 (gage height, 0.52 foot).
1926-32, 1935: Maximum discharge, 58,100 second-feet Nov. 17, 1929 (gage height, 25.76 feet); minimum, 1,180 second-feet Oct. 24, 1931 (gage height, 0.1f foot).
Maximum stage known, 31.3 feet July 15, 1916 (discharge not determined).

Remarks.- Records excellent.

Rating table for period May 24 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

0.5	1,450	3.0	4,090
.6	1,540	3.5	4,740
.8	1,720	4.0	5,450
1.0	1,920	5.0	6,950
1.5	2,420	6.0	8,550
2.0	2,940	7.0	10,200
2.5	3,490	9.0	13,500

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	4,480	4,480	2,570	3,160
2								-	4,480	4,220	2,570	2,720
3								-	4,610	3,730	2,370	2,470
4								-	4,580	4,090	2,170	2,270
5								-	5,600	3,730	2,070	2,220
6								-	5,160	3,610	1,970	2,170
7								-	4,480	4,090	1,920	2,120
8								-	4,090	3,730	1,920	2,170
9								-	3,850	3,380	1,920	2,220
10								-	3,730	3,160	1,870	2,220
11								-	3,730	2,830	1,920	2,170
12								-	3,730	2,670	1,920	2,320
13								-	3,610	2,570	1,920	2,220
14								-	3,610	2,520	1,970	2,220
15								-	3,610	2,850	2,270	2,220
16								-	3,610	3,610	2,940	2,120
17								-	3,610	3,050	3,970	2,020
18								-	3,610	2,830	4,880	1,920
19								-	3,610	2,570	7,630	1,870
20								-	3,490	2,420	12,700	1,820
21								-	3,380	2,370	11,000	1,770
22								-	3,380	2,570	6,950	1,770
23								-	3,270	2,780	5,450	1,720
24								6,350	3,050	3,380	5,750	1,680
25								5,750	3,050	4,090	6,050	1,580
26								5,160	3,270	3,730	4,350	1,630
27								4,880	3,050	3,160	3,610	1,580
28								4,610	2,830	2,780	3,160	1,580
29								4,350	2,830	2,830	3,270	1,540
30								4,350	3,050	2,940	2,780	1,500
31								4,350	-	2,780	3,270	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May 24-31	39,600	6,350	4,350	4,975	.858	.26
June	112,740	5,600	2,830	3,758	.648	.72
July	99,550	4,480	2,370	3,211	.554	.64
August	119,110	12,700	1,670	3,842	.662	.76
September	60,990	3,160	1,500	2,033	.351	.39
Water year						

Coosa River at Childersburg, Ala.

Location.- Water-stage recorder, lat. 34°1', long. 86°, in T. 20 S., R. 3 E., at Central of Georgia Railway bridge 1 mile northwest of Childersburg. Zero of gage is 421.00 feet above mean sea level.

Drainage area.- 8,390 square miles.

Records available.- February 1914 to September 1935.

Average discharge.- 18 years (1917-35), 14,200 second-feet.

Extremes.- Maximum discharge during year, 75,000 second-feet Oct. 11 (gage height, 18.9 feet); minimum, 2,220 second-feet Sept. 30 (gage height, 1.33 feet).
1914-35: Maximum discharge, 121,000 second-feet July 11, 1916; maximum gage height, 24.84 feet Mar. 16, 1929; minimum discharge, 1,300 second-feet in September 1925.

Remarks.- Records good. Records collected by the Alabama Power Co., under general supervision of the U. S. Geological Survey, in connection with a Federal Power Commission project.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	1,960	4.0	8,910	11.0	36,200
1.5	2,560	5.0	12,100	13.0	45,700
2.0	3,690	6.0	15,600	15.0	55,700
2.5	4,890	7.0	19,300	17.0	65,500
3.0	6,120	8.0	23,200	19.0	75,500
3.5	7,470	9.0	27,400		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,020	4,530	5,250	16,000	8,910	18,900	29,500	16,000	6,250	4,770	3,930	4,050
2	3,060	4,410	5,610	22,400	8,320	17,400	31,700	16,000	6,390	5,490	3,570	4,410
3	3,040	4,410	6,520	27,400	8,030	16,000	31,300	14,500	9,540	6,250	3,450	4,050
4	2,980	4,890	7,750	29,900	7,470	13,800	28,700	19,300	14,200	5,490	3,330	3,570
5	4,410	5,490	7,750	28,300	7,190	16,000	24,900	25,300	9,220	5,610	3,110	3,330
6	35,800	6,120	7,190	21,600	6,920	38,000	25,300	22,000	8,320	5,360	2,980	3,110
7	40,000	5,990	6,780	15,600	6,780	55,700	34,000	31,700	7,750	5,370	2,910	3,000
8	34,400	5,610	6,780	12,400	6,520	55,200	40,500	34,900	6,780	5,490	2,800	2,910
9	33,500	5,370	6,390	12,800	6,520	50,200	42,800	30,800	6,250	5,490	2,650	2,890
10	44,800	5,130	5,860	13,500	6,520	43,800	42,400	25,700	5,730	4,890	2,650	6,920
11	71,500	4,890	5,490	14,500	6,390	35,300	44,300	20,000	5,490	4,530	2,860	7,190
12	68,500	4,650	5,130	16,700	6,390	36,200	47,700	17,000	5,490	4,170	2,600	4,770
13	55,200	4,410	4,890	16,700	6,520	54,200	42,400	14,500	5,370	3,930	2,600	4,290
14	41,000	4,170	4,770	14,500	15,600	55,700	36,700	13,100	5,250	4,290	2,690	3,930
15	27,000	4,170	4,530	12,100	28,300	53,200	30,400	11,300	5,490	5,130	2,710	3,570
16	18,200	4,170	4,410	10,500	36,200	48,700	22,800	10,800	5,730	4,170	3,450	3,330
17	12,800	4,050	4,410	9,540	40,500	44,800	17,800	10,200	5,610	4,650	4,170	3,220
18	9,860	3,930	4,650	9,220	35,800	40,000	15,200	11,400	5,490	4,410	7,190	3,060
19	8,320	3,810	5,490	8,910	30,400	33,100	13,500	14,200	5,370	4,050	10,800	2,930
20	7,750	3,810	6,780	8,610	25,300	24,900	12,800	14,200	5,130	3,e10	11,100	2,840
21	6,920	3,810	7,190	8,910	20,000	17,800	14,500	12,800	5,130	3,810	14,500	2,760
22	6,650	6,760	6,920	14,900	15,600	14,200	20,400	10,800	5,250	3,690	12,e00	2,690
23	6,250	9,540	6,780	19,700	12,800	12,800	26,100	9,540	4,890	3,450	9,220	2,560
24	5,860	8,320	6,780	21,600	12,100	12,100	26,500	8,910	4,770	3,690	7,750	2,560
25	5,610	7,190	6,390	20,800	11,100	11,400	23,200	8,320	4,530	4,050	7,470	2,440
26	5,370	6,250	9,860	19,300	15,600	10,500	20,400	7,750	4,410	5,010	7,750	2,420
27	5,130	5,730	13,100	17,800	22,400	10,500	18,900	7,190	4,410	5,370	6,390	2,360
28	4,890	5,490	12,400	16,300	20,400	12,400	16,700	6,920	4,410	5,010	5,730	2,320
29	4,650	5,250	12,800	13,500	-	17,400	17,400	6,520	4,290	4,170	5,010	2,260
30	4,530	5,130	12,400	11,100	-	16,700	16,300	6,250	4,290	3,810	4,890	2,240
31	4,530	-	12,100	9,860	-	16,000	-	6,390	-	3,930	4,290	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	585,530	71,500	2,980	18,890	2.25	2.59
November	157,500	9,540	3,810	5,250	.626	.70
December	223,150	13,100	4,410	7,198	.858	.99
Calendar year 1934	3,958,970	88,500	2,770	10,850	1.29	17.55
January	494,950	29,900	8,610	15,970	1.90	2.19
February	434,580	40,500	6,390	15,520	1.85	1.93
March	902,900	55,700	10,500	29,130	3.47	4.00
April	815,100	47,700	12,800	27,170	3.24	3.62
May	464,790	34,900	6,250	14,990	1.79	2.06
June	181,230	14,200	4,290	6,041	.720	.80
July	143,840	6,250	3,450	4,640	.553	.64
August	167,350	14,500	2,600	5,398	.643	.74
September	101,980	7,190	2,240	3,399	.405	.45
Water year 1934-35	4,672,900	71,500	2,240	12,800	1.53	20.71

Coosa River at Lock 18, near Wetumpka, Ala.

Location.- Water-stage recorder, lat. 32°37', long. 86°15', in sec. 22, T. 19 N., R. 18 E., half a mile downstream from Lock 18 dam site and 7 miles above Wetumpka. Zero of gage is 179.65 feet above mean sea level.

Drainage area.- 10,200 square miles.

Records available.- July 1912 to September 1914, December 1925 to September 1935.

Extremes.- Maximum discharge during year, 88,600 second-feet Oct. 11 (gage height, 22.7 feet); minimum, 70 second-feet at times (gage height, 1.95 feet); minimum daily discharge, 73 second-feet Sept. 14.
1912-14, 1925-35: Maximum discharge, 207,000 second-feet Mar. 15, 1929 (gage height, 38.6 feet); minimum, 70 second-feet at times in 1930-35 (gage height, 1.95 feet); minimum daily discharge, 70 second-feet Oct. 3, 1932, and Dec. 9, 1933.

Remarks.- Records good below 45,000 second-feet, fair above. Discharge determined July 3-10 from records at Jordan Dam hydroelectric plant. Flow almost completely regulated during low and medium stages by hydroelectric plants at Lock 12 and Mitchell Dam. Records collected by the Alabama Power Co., under general supervision of the U. S. Geological Survey, in connection with a Federal Power Commission project.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,590	7,990	7,750	19,100	14,900	25,600	27,000	15,300	6,350	2,890	3,560	3,850
2	6,170	9,090	7,180	25,100	10,100	18,800	23,700	18,500	8,350	3,840	3,500	4,530
3	6,600	3,610	9,510	30,000	8,080	17,400	31,200	18,300	10,000	3,990	3,250	5,480
4	6,140	472	7,600	31,300	12,900	23,500	35,000	14,900	12,000	5,430	6,150	4,560
5	7,410	6,920	10,500	29,300	12,200	25,600	28,800	26,500	14,000	6,720	6,070	3,730
6	32,900	7,840	7,210	27,000	12,100	52,700	26,600	29,100	14,700	8,670	2,530	5,370
7	50,600	7,420	9,140	26,900	10,200	74,700	33,500	32,000	14,800	6,820	2,530	5,660
8	36,300	8,020	6,540	20,000	9,460	65,800	44,900	41,500	14,200	9,530	2,630	205
9	40,400	15,100	6,070	17,700	7,640	57,600	43,100	36,200	10,900	7,010	2,050	4,510
10	65,200	13,900	7,250	14,800	7,790	52,000	47,900	30,600	9,550	6,980	140	7,310
11	84,100	101	7,400	15,000	9,360	43,400	55,400	23,000	7,270	7,310	3,350	9,920
12	79,800	5,750	10,800	11,000	7,060	52,400	53,900	23,900	6,340	1,670	5,960	8,350
13	63,500	5,560	10,000	20,600	8,140	64,400	49,700	16,400	5,090	205	2,680	3,130
14	46,400	4,810	10,100	23,200	16,700	65,100	41,600	17,400	4,150	5,060	2,430	73
15	33,200	4,010	7,180	17,200	32,000	61,400	33,200	15,600	2,700	7,260	7,850	2,540
16	22,700	2,170	1,480	16,700	40,300	54,500	28,400	9,340	560	7,470	11,400	6,050
17	20,200	1,900	6,590	16,200	48,700	52,100	25,700	9,900	8,510	7,620	8,090	4,000
18	16,100	83	5,980	15,900	41,800	46,200	20,400	9,220	8,600	7,810	7,870	3,470
19	12,600	4,980	7,680	10,600	36,200	39,100	17,200	11,000	10,700	6,580	13,100	4,780
20	5,740	6,780	7,980	9,250	32,900	34,500	10,600	20,600	8,780	4,220	12,600	2,740
21	11,700	7,820	1,170	13,900	25,700	22,500	12,000	18,300	9,940	6,220	14,200	1,140
22	8,370	12,100	1,210	14,700	21,300	19,200	21,000	16,500	2,670	6,250	16,100	1,330
23	6,840	6,320	8,430	19,600	18,600	14,900	26,300	6,290	2,350	3,810	11,300	5,180
24	8,300	8,030	7,790	24,400	10,200	11,300	28,600	10,500	9,860	3,640	8,520	4,230
25	5,650	7,540	6,430	25,000	16,300	19,900	28,800	13,500	8,850	3,720	6,310	5,140
26	5,460	9,430	13,300	22,000	20,600	16,000	26,600	7,440	8,400	3,730	9,880	4,200
27	5,830	9,140	15,100	20,700	26,000	17,100	18,200	12,800	6,700	3,300	10,800	3,380
28	3,440	8,550	17,000	21,900	27,800	12,300	19,400	12,500	6,350	6,120	12,600	654
29	7,510	7,140	19,500	19,500	-	14,000	19,400	11,400	2,770	6,160	11,100	1,100
30	8,440	8,660	13,500	18,600	-	17,900	19,400	10,100	922	5,840	7,340	5,160
31	8,330	-	19,400	18,600	-	22,000	-	9,850	-	3,530	3,770	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	721,720	84,100	3,440	23,280	2.28	2.63
November	201,256	15,100	83	6,709	.658	.73
December	276,770	19,500	1,170	8,928	.875	1.01
Calendar year 1934	4,845,596	135,000	72	13,280	1.30	17.67
January	615,950	31,300	9,250	19,870	1.95	2.25
February	545,030	48,700	7,060	19,470	1.91	1.99
March	1,113,900	74,700	11,300	35,930	3.52	4.06
April	897,500	55,400	10,600	29,920	2.93	3.27
May	548,440	41,500	6,290	17,690	1.73	1.99
June	237,262	14,800	560	7,909	.775	.86
July	169,405	9,530	205	5,465	.536	.62
August	219,660	16,100	140	7,086	.695	.80
September	121,772	9,920	73	4,059	.398	.44
Water year 1934-35	5,668,665	84,100	73	15,530	1.52	20.65

Alabama River near Montgomery, Ala.

Location.- Water-stage recorder, lat. 32°25', long. 86°25', in T. 17 N., R. 17 E., at highway bridge 4 miles above Autauga Creek and 6 miles northwest of Montgomery.

Drainage area.- 15,100 square miles.

Records available.- October 1927 to September 1935. At Montgomery, 9 miles upstream, January 1899 to December 1903 (gage heights only).

Extremes.- Maximum discharge during year, 91,100 second-feet Mar. 9 (gage height, 32.7 feet); minimum, 6,410 second-feet Nov. 12 (gage height, 1.0 foot); minimum daily discharge, 7,650 second-feet Nov. 12.
1899-1903, 1927-35: Maximum discharge, 209,000 second-feet Mar. 17, 1929 (gage height, 59.6 feet); minimum, 4,840 second-feet Nov. 20, 1931 (gage height, 0.37 foot); minimum daily discharge, 5,120 second-feet Nov. 20, 1931.

Remarks.- Records good. Flow regulated by hydroelectric plants on Tallapoosa and Coosa Rivers and by storage in Martin Dam Reservoir (capacity, 1,380,000 acre-feet) on Tallapoosa River. Records collected by the Alabama Power Co., under general supervision of the U. S. Geological Survey, in connection with a Federal Power Commission project.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

1.6	7,200	4.5	13,000	10.0	26,900
2.0	7,830	5.0	14,200	15.0	41,100
2.5	8,690	6.0	16,600	20.0	55,200
3.0	9,710	7.0	19,000	25.0	69,300
3.5	10,800	8.0	21,500	30.0	83,300
4.0	11,900	9.0	24,100	33.0	91,900

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9,080	18,500	15,900	23,600	22,000	37,100	34,800	24,400	14,700	11,200	10,100	10,600
2	14,000	18,600	11,400	23,900	19,300	31,600	42,800	22,500	12,800	11,400	9,500	9,290
3	15,200	18,500	11,000	30,400	13,000	23,100	44,200	24,700	12,400	11,900	9,500	9,080
4	15,600	13,800	13,500	34,800	10,800	21,800	43,900	24,700	14,200	12,100	9,080	12,100
5	17,100	11,400	13,800	34,800	15,600	29,200	43,300	26,600	18,300	10,800	8,340	13,000
6	29,200	16,300	13,800	31,800	17,600	48,500	38,500	32,000	21,200	10,100	8,170	12,600
7	52,700	17,300	11,900	29,200	16,600	74,300	37,900	36,200	21,200	11,400	9,290	14,400
8	54,900	16,600	12,100	26,900	15,600	87,000	45,300	45,600	20,000	11,000	8,690	13,300
9	47,400	16,800	9,080	23,600	15,400	90,800	52,100	49,900	15,200	13,000	9,290	9,710
10	53,000	21,000	7,830	19,000	11,900	88,400	54,100	46,500	13,300	13,800	9,290	12,100
11	68,700	13,500	9,500	19,300	10,400	81,100	61,500	39,100	12,400	13,300	8,340	16,100
12	79,100	7,650	11,900	15,900	12,800	74,300	68,500	33,400	15,200	11,900	9,290	15,400
13	79,400	13,500	14,000	18,000	16,300	80,800	69,300	26,600	15,400	10,400	8,170	13,000
14	72,700	14,900	14,700	23,100	23,900	88,200	64,500	20,000	15,600	11,000	8,880	8,510
15	60,600	14,400	15,400	22,200	36,000	90,200	56,900	20,800	13,500	11,900	10,800	8,510
16	43,900	13,800	12,100	18,800	45,000	85,500	47,400	17,100	12,800	11,400	17,300	10,800
17	32,000	11,900	11,200	19,500	49,300	78,000	38,500	14,700	11,200	12,400	18,300	10,100
18	27,800	11,200	15,200	19,800	51,000	69,900	31,800	15,900	17,600	13,000	13,600	11,400
19	22,500	9,290	16,300	18,500	45,300	62,900	24,400	15,900	17,100	13,300	14,900	11,700
20	19,000	14,200	17,600	13,300	42,200	55,800	20,300	17,300	18,300	10,600	16,500	12,600
21	16,600	16,800	19,500	12,100	37,900	47,600	15,600	22,200	18,300	9,080	15,500	11,400
22	15,600	19,800	18,800	17,800	31,200	36,800	19,000	20,000	16,800	8,340	21,000	10,400
23	12,800	19,300	16,300	21,500	26,900	30,900	30,600	15,900	12,600	8,340	19,500	9,080
24	16,600	18,300	12,100	27,800	18,000	21,200	36,800	17,300	12,600	9,290	12,600	10,100
25	16,800	16,300	10,100	29,800	14,900	17,800	38,800	20,800	18,300	8,690	10,600	12,100
26	15,600	14,900	11,000	27,200	26,000	22,200	37,100	15,200	18,000	8,880	8,880	13,300
27	14,900	16,100	18,800	24,400	37,100	21,500	32,600	11,900	16,800	8,880	12,100	12,400
28	13,800	17,300	21,000	21,800	39,700	20,800	26,900	15,400	15,900	10,800	16,100	11,900
29	9,920	16,800	24,400	24,700	-	20,000	23,600	17,100	14,900	10,400	19,300	9,710
30	16,100	16,100	21,500	24,400	-	25,800	26,000	15,200	13,500	9,500	15,400	8,510
31	18,300	-	19,800	23,300	-	30,400	-	16,600	-	10,400	12,100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	980,900	79,400	9,080	31,640	2.10	2.42
November	465,040	21,000	7,650	15,500	1.03	1.15
December	451,510	24,400	7,830	14,560	.964	1.11
Calendar year 1934	6,358,300	110,000	6,060	17,420	1.15	15.65
January	721,200	34,800	12,100	23,260	1.54	1.78
February	721,700	51,000	10,400	25,780	1.71	1.78
March	1,593,700	90,800	17,800	51,410	3.40	3.92
April	1,207,000	69,300	15,600	40,230	2.66	2.97
May	741,500	49,900	11,900	23,920	1.58	1.82
June	470,100	21,200	11,200	15,670	1.04	1.16
July	338,500	13,800	8,340	10,920	.723	.83
August	385,610	21,000	8,170	12,440	.824	.95
September	343,200	16,100	8,510	11,440	.758	.85
Water year 1934-35	8,419,960	90,800	7,650	23,070	1.53	20.74

Alabama River at Selma, Ala.

Location.- Water-stage recorder, lat. 32°24', long. 87°1', in T. 17 N., R. 10 E., in Selma, at bridge on U. S. Highway 80, 2 miles above mouth of Valley Creek.

Drainage area.- 17,100 square miles.

Records available.- January 1899 to December 1913, June 1928 to September 1935.

Average discharge.- 20 years (1900-1913, 1928-35), 26,400 second-feet.

Extremes.- Maximum discharge during year, 92,600 second-feet Mar. 10 (gage height, 36.73 feet); minimum, 7,830 second-feet Dec. 11 (gage height, 2.46 feet); minimum daily discharge, 7,960 second-feet Dec. 11.
1899-1913, 1928-35: Maximum discharge, 204,000 second-feet Mar. 19, 1929 (gage height, 55.52 feet); minimum, 2,660 second-feet Nov. 1, 1904 (gage height, -2.20 feet); minimum daily discharge, 3,300 second-feet Oct. 9 to Nov. 7, 1904.
Maximum stage known, 57.0 feet Apr. 8, 1886 (discharge, 221,000 second-feet).

Remarks.- Records good. Flow regulated by power plants on Coosa and Tallapoosa Rivers. (See station description for Alabama River at Montgomery, Ala.)

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.5	7,830	12.0	28,400
3.0	8,500	13.0	31,300
3.5	9,250	14.0	34,000
4.0	10,100	20.0	49,000
5.0	12,000	33.0	81,500
8.0	18,600	37.0	93,500
11.0	25,800		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,100	17,900	16,300	23,800	23,600	45,500	35,000	28,400	16,500	13,700	11,000	12,800
2	8,790	18,400	15,600	26,100	21,900	42,000	39,000	26,100	15,200	11,800	10,100	10,600
3	12,000	18,600	12,200	27,400	19,100	34,800	45,200	24,800	13,700	11,800	9,570	9,570
4	13,900	17,700	11,000	32,900	13,700	26,100	45,800	25,800	13,500	12,000	9,410	9,090
5	15,400	13,900	12,600	36,000	11,200	28,200	45,800	25,000	15,200	12,000	8,940	11,200
6	25,300	12,000	13,500	35,800	14,500	46,800	43,500	28,400	18,600	11,000	8,360	12,400
7	39,800	15,200	13,000	32,700	16,800	66,500	40,000	36,000	21,100	10,400	8,220	12,400
8	53,200	16,300	12,200	30,400	16,100	80,200	41,000	41,500	21,100	10,800	8,940	13,700
9	54,200	15,900	11,400	28,400	15,200	88,400	47,000	48,000	19,800	10,800	8,790	13,200
10	50,500	16,500	9,090	25,600	14,800	92,300	51,000	49,500	15,400	12,600	8,940	11,000
11	57,000	19,500	7,960	21,400	12,000	91,100	60,200	46,200	13,200	13,200	9,090	12,800
12	66,500	13,700	8,940	20,200	10,600	88,100	67,200	39,800	12,800	12,800	8,360	16,100
13	73,000	8,500	11,200	16,500	13,200	86,000	70,000	34,500	15,000	11,800	8,790	15,900
14	74,500	11,800	13,000	18,600	22,200	86,900	69,000	27,100	15,400	10,400	8,220	13,500
15	71,000	13,700	13,700	22,800	35,500	88,700	64,500	21,900	15,400	11,600	8,790	9,740
16	62,000	13,500	14,300	21,900	45,000	88,400	57,200	21,900	13,900	12,200	11,600	8,640
17	47,200	12,800	12,000	19,300	51,000	84,200	48,500	17,400	12,800	11,400	18,600	9,910
18	35,200	11,200	11,200	19,500	54,000	77,800	40,200	15,600	12,400	12,000	20,000	10,100
19	28,400	10,300	15,400	19,800	53,500	70,500	32,700	15,900	16,500	12,600	18,100	10,800
20	23,100	9,570	19,100	18,100	48,800	63,500	26,100	16,100	17,400	12,800	20,200	11,400
21	18,600	13,200	19,500	14,100	44,000	56,500	21,100	18,600	18,100	10,800	21,600	12,000
22	16,800	19,100	20,400	15,000	38,500	47,800	17,700	21,600	18,100	9,410	21,900	11,200
23	15,000	23,600	19,500	21,400	32,700	39,500	22,300	20,000	16,300	8,640	22,800	10,300
24	13,000	22,300	16,800	25,800	27,600	31,800	31,800	16,500	13,000	8,500	20,200	9,090
25	15,900	20,200	12,800	30,200	20,000	22,600	37,000	17,700	13,200	8,940	14,300	9,740
26	16,100	17,400	11,400	31,000	21,100	20,200	38,000	20,000	17,400	8,790	11,000	11,200
27	15,200	15,400	14,300	28,200	36,800	22,600	37,000	15,600	17,700	9,090	9,410	12,400
28	14,300	16,100	22,100	25,000	45,000	22,800	33,200	13,000	16,800	10,400	12,400	11,800
29	12,800	17,200	26,800	22,800	-	22,300	29,300	15,400	15,900	13,500	16,500	11,000
30	10,600	16,800	30,200	24,600	-	22,600	27,400	16,500	15,000	13,000	19,100	9,570
31	15,200	-	26,100	24,600	-	28,700	-	15,600	-	11,800	16,100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	984,590	74,500	8,790	31,760	1.86	2.14
November	468,270	23,600	8,500	15,610	.913	1.02
December	473,590	30,200	7,960	15,280	.894	1.03
Calendar year 1934	6,650,490	107,000	6,970	18,220	1.07	14.46
January	759,900	36,000	14,100	24,510	1.43	1.65
February	778,400	54,000	10,600	27,800	1.63	1.70
March	1,713,400	92,300	20,200	55,270	3.23	3.72
April	1,263,700	70,000	17,700	42,120	2.46	2.74
May	780,400	49,500	13,000	25,170	1.47	1.70
June	476,400	21,100	12,400	15,880	.929	1.04
July	350,570	13,700	8,500	11,310	.661	.76
August	409,330	22,800	8,220	13,200	.772	.89
September	343,150	16,100	8,640	11,400	.669	.75
Water year 1934-35	8,801,700	92,300	7,960	24,110	1.41	19.14

Alabama River at Claiborne, Ala.

Location.- Water-stage recorder, lat. 31°32', long. 87°31', in sec. 25, T. 7 N., R. 5 E., at toll bridge in Claiborne. Zero of gage is at mean sea level.

Drainage area.- 22,000 square miles.

Records available.- April 1930 to September 1935.

Extremes.- Maximum discharge during year, 122,000 second-feet Mar. 14 (gage height, 42.30 feet); minimum, 9,580 second-feet Aug. 8 (gage height, 10.28 feet).
1930-35: Maximum discharge, 172,000 second-feet Jan. 6, 1933 (gage height, 47.96 feet); minimum, 6,200 second-feet Nov. 3, 4, 1931; minimum gage height, 8.00 feet Nov. 4, 1931.

Remarks.- Records good. Discharge estimated June 16-21 by hydrographic comparison with records of Alabama River at Selma, Ala. Flow regulated by power plants on Coosa and Tallapoosa Rivers. (See station description for Alabama River at Montgomery.)

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1-16, 1934

11.0	10,600	25.0	42,200
12.0	12,400	26.0	45,500
14.0	16,000	28.0	52,800
16.0	19,800	30.0	60,400
19.0	26,400	35.0	81,800
21.0	31,200	40.0	108,000
23.0	36,300	43.0	127,000
24.0	39,000		

Table for Oct. 17, 1934, to Sept. 30, 1935

10.0	9,100	25.0	42,200
12.0	12,400	26.0	45,500
14.0	16,100	28.0	52,800
16.0	20,000	30.0	60,400
19.0	26,500	35.0	81,800
21.0	31,200	40.0	108,000
23.0	36,300	43.0	127,000
24.0	39,000		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15,600	14,400	20,400	37,400	28,300	56,900	33,400	42,800	17,200	16,900	13,700	18,000
2	14,700	16,100	20,200	34,500	27,900	57,300	37,600	38,500	17,200	16,100	13,200	17,000
3	12,900	18,200	20,000	33,000	27,200	55,000	41,200	34,500	17,600	15,200	12,400	15,000
4	11,600	19,400	19,200	33,000	25,600	49,000	45,900	31,000	17,600	14,100	11,800	13,200
5	14,000	20,600	17,400	35,000	23,200	44,200	50,200	29,000	17,000	13,500	11,100	11,800
6	18,600	20,400	16,300	37,600	19,600	57,300	51,700	29,500	17,600	13,700	10,600	10,900
7	26,600	18,200	16,300	39,000	17,600	77,200	52,800	36,800	19,600	13,500	10,200	11,600
8	36,300	16,500	16,900	38,500	18,400	89,800	52,000	45,500	21,300	13,000	9,740	12,600
9	47,400	17,000	16,500	36,800	19,400	97,400	49,900	49,500	22,300	12,400	9,740	13,200
10	56,200	17,600	15,900	35,800	19,400	106,000	50,200	51,700	22,100	12,300	9,740	14,100
11	58,100	17,600	15,000	33,700	19,200	113,000	58,100	53,900	20,600	12,300	9,740	15,000
12	60,000	18,400	13,500	31,200	19,000	118,000	69,400	53,500	18,000	13,200	9,900	14,600
13	65,600	19,000	12,100	28,600	18,800	120,000	77,200	49,900	15,900	13,900	10,100	15,200
14	72,300	16,500	12,100	25,800	23,600	122,000	81,800	44,200	15,000	14,200	9,900	16,500
15	78,200	13,500	13,400	23,600	37,100	121,000	83,200	38,200	15,700	13,900	9,900	16,500
16	81,300	13,500	15,000	23,900	48,800	119,000	81,800	32,200	17,000	12,800	9,900	15,200
17	80,800	14,600	15,900	25,200	55,000	115,000	77,700	28,300	17,000	12,600	10,900	13,000
18	72,800	15,000	16,700	25,000	58,800	116,000	70,200	25,600	16,500	13,000	14,200	11,300
19	59,200	14,800	16,900	23,900	62,000	113,000	60,000	22,300	15,500	12,800	19,400	11,100
20	45,900	14,100	19,600	23,400	64,400	107,000	50,200	20,400	15,000	12,300	21,700	11,400
21	36,300	14,100	23,000	23,600	62,800	99,100	41,800	20,400	16,500	13,200	21,900	11,800
22	30,000	19,000	23,900	26,300	57,700	88,700	35,300	21,000	17,600	13,400	22,100	12,300
23	24,700	29,300	23,900	29,300	51,700	77,200	29,500	23,000	18,400	12,400	22,300	12,600
24	21,500	35,000	23,600	30,000	44,900	64,800	26,500	23,400	18,200	11,300	22,500	12,300
25	18,800	34,500	22,500	30,700	38,800	52,400	23,800	21,900	17,200	10,400	22,100	11,800
26	17,000	30,700	21,700	32,200	40,600	40,900	33,400	19,600	15,500	9,900	20,200	10,900
27	17,200	27,000	21,700	33,700	51,300	33,200	36,600	19,600	15,200	9,900	17,000	10,900
28	17,400	23,600	24,500	33,700	55,000	30,700	38,500	19,800	16,900	10,600	14,400	11,600
29	17,000	21,300	31,400	32,000	-	31,200	40,200	17,600	17,600	11,300	11,100	12,400
30	16,300	20,400	37,900	30,000	-	30,700	44,500	15,900	17,400	12,100	14,100	12,600
31	15,200	-	39,000	28,600	-	30,700	-	16,700	-	13,400	16,900	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,159,500	81,300	11,600	37,400	1.70	1.96
November	590,300	35,000	13,500	19,680	.895	1.00
December	622,400	39,000	12,100	20,080	.913	1.05
Calendar year 1934	8,676,830	122,000	9,590	23,770	1.08	14.66
January	955,000	39,000	23,400	30,810	1.40	1.61
February	1,036,100	64,400	17,600	37,000	1.68	1.75
March	2,437,600	122,000	30,700	78,630	3.57	4.12
April	1,529,600	83,200	26,500	50,990	2.32	2.59
May	976,200	53,900	15,900	31,490	1.43	1.65
June	526,200	22,300	15,000	17,540	.797	.89
July	400,100	16,900	9,900	12,910	.587	.68
August	442,460	22,500	9,740	14,270	.649	.75
September	396,400	18,000	10,900	13,210	.600	.67
Water year 1934-35	11,071,860	122,000	9,740	30,330	1.38	18.72

Little River near Jamestown, Ala.

Location.- Water-stage recorder, lat. 34°24', long. 85°38', in T. 7 S., R. 10 E., at highway bridge a quarter of a mile above Yellow Creek and 2½ miles west of Jamestown. Zero of gage is 1,177.4 feet above mean sea level.

Drainage area.- 121 square miles.

Records available.- October 1928 to April 1932, May to September 1935.

Extremes.- Maximum discharge during period, 782 second-feet Aug. 18 (gage height, 2.86 feet); minimum, 0.3 second-foot Sept. 30 (gage height, 0.58 foot).
1928-32, 1935: Maximum discharge, 9,430 second-feet Mar. 14, 1929 (gage height, 10.40 feet); no flow several days during July and September 1930 and Sept. 17 to Nov. 29, 1931.

Remarks.- Records excellent above 10 second-feet and good below.

Rating table for period May 22 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

0.4	0	1.4	70
.5	.1	1.5	92
.6	.4	1.6	120
.7	2.4	1.7	153
.8	7.4	1.8	189
.9	13.7	2.0	270
1.0	21.0	2.2	370
1.1	29.5	2.4	480
1.2	40.0	2.6	600
1.3	53	3.0	890

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	37	12	2.8	13
2								-	29	15	2.4	10
3								-	124	15	1.7	9.2
4								-	146	20	1.4	8.0
5								-	81	12	.7	7.4
6								-	53	8.0	.6	6.2
7								-	39	6.2	.6	11
8								-	32	5.1	.9	10
9								-	32	4.1	.6	4.1
10								-	29	2.8	.5	6.2
11								-	23	2.0	1.7	7.4
12								-	20	2.0	3.6	5.6
13								-	17	2.4	4.4	4.1
14								-	16	6.2	8.0	2.8
15								-	21	4.1	5.6	2.4
16								-	23	2.8	83	2.4
17								-	23	3.2	138	2.4
18								-	21	2.4	394	2.4
19								-	20	2.4	458	2.0
20								-	19	3.2	278	1.4
21								-	19	4.6	254	1.1
22								175	17	4.1	147	.9
23								130	14	3.2	92	.6
24								103	12	2.8	356	.6
25								81	8.6	2.4	127	.5
26								65	7.4	1.7	69	.4
27								50	6.2	1.4	45	.4
28								42	5.1	1.7	34	.4
29								38	4.1	1.7	27	.4
30								38	5.1	4.1	21	.4
31								40	-	3.6	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May 22-31	762	175	38	76.2	0.630	0.23
June	903.5	146	4.1	30.1	.249	.28
July	162.2	20	1.4	5.23	.043	.05
August	2,574.5	458	.5	83.0	.686	.79
September	123.7	13	.4	4.12	.034	.04
Water year						

Choccolocco Creek near Jenifer, Ala.

Location.- Staff gage, lat. 33°34', long. 85°56', in T. 17 S., R. 7 E., at Louisville & Nashville Railroad bridge 1½ miles north of Jenifer.

Drainage area.- 275 square miles (revised).

Records available.- August 1903 to February 1908, May 1929 to March 1932, May to September 1935.

Extremes.- Maximum discharge observed during period, 1,340 second-feet Sept. 10 (gage height, 4.90 feet); minimum observed, 103 second-feet Aug. 11 (gage height, 1.83 feet).

1903-8, 1929-32, 1935: Maximum gage height, 14.3 feet, from flood marks, Mar. 7, 1930 (discharge not determined): minimum observed discharge, 28 second-feet Oct. 24-30, Nov. 1, 2, 1904, and Oct. 9, 1931 (gage height, 1.40 feet).

Remarks.- Records good.

Rating table for period May 13 to Sept. 30, 1935
(gage height, in feet, and discharge, in second-feet)

1.8	98	2.5	255	3.6	657
1.9	116	2.6	282	3.8	756
2.0	136	2.7	310	4.0	858
2.1	157	2.8	340	4.2	962
2.2	180	3.0	406	4.4	1,070
2.3	204	3.2	481	4.7	1,230
2.4	229	3.4	565	5.0	1,400

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	242	263	120	180
2								-	229	216	112	157
3								-	355	193	112	146
4								-	543	180	107	146
5								-	356	193	107	136
6								-	268	253	109	136
7								-	242	325	112	130
8								-	242	229	107	126
9								-	242	193	109	136
10								-	229	163	105	889
11								-	216	163	103	910
12								-	216	163	107	522
13								406	216	180	136	356
14								389	192	193	192	255
15								356	204	157	146	229
16								340	216	143	192	204
17								356	216	143	323	192
18								325	204	143	216	157
19								310	216	133	354	168
20								310	204	157	358	180
21								325	192	163	282	180
22								296	180	146	229	157
23								282	180	133	180	168
24								296	150	143	180	146
25								268	180	146	192	134
26								268	168	133	180	146
27								255	168	123	157	136
28								255	168	133	209	130
29								242	168	143	552	128
30								242	204	133	282	128
31								242	-	124	204	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May 13-31	5,763	406	242	303	1.10	0.78
June	6,836	543	168	228	.829	.92
July	5,359	325	124	173	.629	.73
August	5,874	552	103	189	.687	.79
September	6,808	910	126	227	.825	.92
Water year						

Tallapoosa River at Wadley, Ala.

Location.- Staff gage, lat. 33°8', long. 85°34', in sec. 12, T. 22 S., R. 10 E., in Wadley. Zero of gage is 600.78 feet above mean sea level.

Drainage area.- 1,660 square miles.

Records available.- September 1923 to September 1935.

Average discharge.- 12 years, 2,400 second-feet.

Extremes.- Maximum discharge during year, 27,200 second-feet Oct. 7 (gage height, 17.4 feet); minimum, 325 second-feet Aug. 4-7, 11 (gage height, 2.80 feet).
1923-35: Maximum discharge, 46,900 second-feet Jan. 18, 1925 (gage height, 26.3 feet); minimum, 60 second-feet on 8 days during September 1925 and Oct. 2, 1931 (gage height, 2.2 feet).

Remarks.- Records fair. Slight diurnal regulation during extremely low water caused by small mills upstream. Records collected by Alabama Power Co., under general supervision of the U. S. Geological Survey, in connection with a Federal Power Commission project.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Mar. 7

2.8	380	5.0	3,100	9.0	9,910
3.0	620	5.5	3,840	10.0	11,900
3.5	1,240	6.0	4,650	12.0	16,000
4.0	1,850	7.0	6,300	14.0	20,100
4.5	2,470	8.0	8,100	17.4	27,200

Table for Mar. 8 to Sept. 30

2.8	325	5.0	3,100	8.0	8,100
3.0	571	5.5	3,840	9.0	9,910
3.5	1,200	6.0	4,650	10.0	11,900
4.0	1,830	6.5	5,470	11.0	13,900
4.5	2,470	7.0	6,300		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	380	1,110	3,100	3,990	1,480	2,840	5,960	2,840	1,640	2,340	696	1,260
2	500	1,110	2,590	4,980	1,480	2,590	4,650	2,340	2,080	2,690	571	883
3	500	1,110	1,850	3,390	1,480	2,220	3,840	2,080	3,100	1,640	508	758
4	500	1,170	2,100	2,590	1,480	2,100	3,990	2,470	4,480	1,330	325	696
5	1,980	1,300	1,850	2,350	1,420	5,310	3,100	5,310	2,590	3,540	325	696
6	21,800	1,170	1,540	2,100	1,360	13,500	3,990	3,100	1,580	2,970	383	634
7	18,900	1,110	1,420	1,850	1,360	13,500	5,640	3,540	1,330	2,210	383	571
8	14,300	1,050	1,300	2,350	1,360	9,180	4,810	3,100	1,200	1,260	508	571
9	13,100	985	1,170	2,840	1,420	5,800	3,390	2,340	1,140	945	508	571
10	17,600	985	1,110	2,970	1,360	4,320	2,840	2,080	1,070	883	445	3,690
11	18,100	1,170	1,110	2,590	1,360	3,390	3,990	2,080	1,070	820	325	7,370
12	14,700	1,110	1,110	2,100	1,360	8,640	6,130	2,340	945	696	634	2,840
13	9,180	985	1,110	1,850	1,730	9,910	4,650	2,080	945	1,580	1,070	1,830
14	4,320	985	985	1,730	5,470	8,100	3,540	1,830	1,140	945	1,260	1,390
15	2,720	985	985	1,600	8,820	4,980	2,970	1,640	1,390	1,200	945	1,140
16	2,100	985	985	1,480	5,640	3,840	2,590	1,520	1,700	883	2,340	945
17	1,850	985	985	1,480	4,980	3,390	2,340	1,960	1,200	696	2,080	820
18	1,600	985	1,170	1,850	3,990	3,100	2,340	1,830	1,070	696	3,690	820
19	1,480	985	1,600	1,600	2,970	2,840	2,210	1,580	1,070	696	4,320	696
20	1,360	985	2,100	1,480	2,350	2,590	2,080	2,080	1,010	945	5,960	634
21	1,360	985	1,850	1,540	2,100	2,470	2,590	2,340	945	820	4,480	571
22	1,360	1,980	1,730	4,320	1,980	2,340	2,840	1,640	1,140	1,200	3,100	571
23	1,240	2,350	1,540	4,980	1,980	2,340	2,470	1,520	945	820	2,080	571
24	1,240	1,540	1,360	3,100	1,850	2,210	2,080	1,450	820	696	1,390	696
25	1,170	1,300	1,360	2,350	1,850	2,210	1,960	1,390	820	696	1,140	571
26	1,110	1,170	3,390	2,100	4,320	2,210	1,830	1,330	696	634	883	445
27	1,110	1,110	2,840	1,980	5,640	2,340	1,830	1,200	696	1,520	820	445
28	1,110	1,110	3,100	1,850	3,690	2,970	3,240	1,200	945	2,590	883	445
29	985	1,110	2,840	1,670	-	3,990	5,640	1,140	820	1,140	4,320	445
30	985	2,720	2,590	1,600	-	3,100	4,480	1,070	2,840	820	2,470	445
31	1,050	-	2,350	1,540	-	3,100	-	1,330	-	758	1,700	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	159,690	21,800	380	5,151	3.10	3.57
November	36,635	2,720	985	1,221	.736	.82
December	55,120	3,390	985	1,778	1.07	1.23
Calendar year 1934	821,715	26,900	380	2,251	1.36	18.36
January	74,200	4,980	1,480	2,394	1.44	1.66
February	76,280	8,820	1,360	2,724	1.64	1.71
March	141,420	13,500	2,100	4,562	2.75	3.17
April	104,010	6,150	1,830	3,467	2.09	2.33
May	63,750	5,310	1,070	2,056	1.24	1.43
June	42,417	4,480	696	1,414	.852	.95
July	40,559	3,540	634	1,308	.788	.91
August	50,542	5,960	325	1,630	.982	1.13
September	34,020	7,370	445	1,134	.683	.76
Water year 1934-35	878,645	21,800	325	2,407	1.45	19.67

Tallapoosa River below Tallassee, Ala.

Location.- Water-stage recorder, lat. 32°31', long. 85°53', in T. 18 N., R. 22 E., 1½ miles below highway bridge at Tallassee. Zero of gage is 162.03 feet above mean sea level.

Drainage area.- 3,320 square miles.

Records available.- July 1928 to September 1935.

Extremes.- Maximum discharge during year, 24,100 second-feet Mar. 13 (gage height, 22.7 feet); minimum, 15 second-feet at times during July and August (gage height, -0.25 foot); minimum daily discharge, 15 second-feet Aug. 25.
1928-35: Maximum discharge, 115,000 second-feet Mar. 15, 1929 (gage height, 51.35 feet); minimum, 10 second-feet at times during 1930 and 1931; minimum gage height, -1.6 feet Oct. 2, 5, 1932; minimum daily discharge, 10 second-feet June 3, 1930, and May 17, 1931.

Remarks.- Records good except those above 10,000 second-feet and those estimated, which are fair. Estimates determined from generation and spillway discharge at Thurlow Dam. Regulation by power plants and Martin Dam storage reservoir (capacity, 1,380,000 acre-feet) upstream. Records collected by Alabama Power Co., under general supervision of U. S. Geological Survey, in connection with a Federal Power Commission project.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,200	8,960	342	2,240	4,660	3,490	7,640	2,880	3,020	6,820	4,800	3,160
2	8,320	9,000	64	2,740	43	129	7,780	3,700	84	6,320	5,190	3,470
3	8,720	8,810	3,390	2,660	32	50	7,490	6,430	2,830	6,880	1,560	7,570
4	8,530	7,620	4,250	1,760	4,660	3,480	7,810	5,680	2,310	973	48	8,650
5	9,350	8,040	3,220	72	4,750	†5,560	6,750	1,560	4,650	1,450	5,020	7,900
6	1,340	8,240	3,300	97	3,120	†5,690	6,590	3,500	4,450	193	5,820	7,960
7	1,470	7,960	2,470	1,190	5,190	††7,000	6,590	5,280	3,120	1,230	5,640	8,610
8	1,310	4,320	55	2,280	6,110	†9,420	7,520	††7,420	81	5,320	5,880	7,750
9	2,410	4,050	18	586	968	††7,350	7,880	7,210	46	5,660	6,810	5,880
10	†3,500	669	3,190	423	51	††7,080	7,950	5,790	4,630	4,520	6,840	4,640
11	1,830	6,710	3,310	45	5,760	†9,480	†9,160	5,720	7,950	5,700	1,470	2,630
12	2,130	7,380	3,260	1,410	8,080	†16,100	††7,050	1,320	8,450	7,680	3,900	4,120
13	†4,170	8,760	3,900	42	7,660	†21,300	†6,400	1,420	8,600	6,920	6,200	5,050
14	†5,680	8,650	5,720	63	5,450	†13,700	†6,720	1,610	8,600	175	6,290	7,850
15	†5,320	8,770	5,590	1,540	2,470	†10,700	7,530	777	8,600	2,300	5,320	3,620
16	5,500	8,420	8,060	2,930	57	7,900	6,250	3,320	7,540	3,590	1,870	5,680
17	5,820	8,410	7,820	3,180	53	7,550	2,340	3,490	7,650	4,550	787	6,060
18	5,420	7,000	8,060	2,790	3,240	10,700	1,820	2,650	7,450	4,410	529	7,160
19	6,060	8,170	*8,460	209	3,950	10,600	1,030	820	7,900	4,180	2,870	7,680
20	6,330	8,910	*7,090	46	3,900	9,910	34	660	8,130	603	1,780	7,710
21	52	8,930	5,140	3,990	4,500	10,400	350	675	7,730	115	2,060	8,940
22	5,670	7,400	3,030	3,360	3,220	7,680	6,490	1,810	8,630	4,170	1,740	4,330
23	8,170	8,010	63	2,940	182	46	7,660	9,860	7,440	4,380	879	6,030
24	8,230	5,780	2,240	2,360	39	38	7,330	5,990	8,240	3,950	37	6,740
25	6,310	3,460	1,160	1,130	3,880	2,510	6,150	968	7,790	3,920	15	*7,570
26	8,220	6,980	2,810	2,800	5,560	3,360	6,360	461	8,680	4,330	1,890	7,840
27	5,290	7,320	2,760	38	2,700	4,330	3,860	2,620	8,590	1,610	4,480	*7,610
28	5,170	7,570	2,480	3,600	3,970	3,110	1,050	2,630	8,510	36	3,960	*7,910
29	7,780	7,030	51	3,270	-	6,900	2,640	3,340	8,970	2,550	3,190	*3,860
30	8,480	4,720	29	3,420	-	6,350	2,070	3,910	7,920	4,590	6,020	*6,140
31	9,060	-	2,470	3,930	-	7,320	-	4,340	-	4,960	4,300	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	176,042	9,350	52	5,679	1.71	1.97
November	216,049	9,000	669	7,202	2.17	2.42
December	103,822	8,460	18	3,349	1.01	1.16
Calendar year 1934	1,039,237	9,350	15	2,847	.858	11.64
January	57,141	3,990	38	1,843	.555	.64
February	94,235	8,060	32	3,366	1.01	1.05
March	219,233	21,300	38	7,072	2.13	2.46
April	166,294	9,160	34	5,543	1.67	1.86
May	107,841	9,860	461	3,479	1.05	1.21
June	188,491	8,970	46	6,283	1.89	2.11
July	114,088	7,680	36	3,680	1.11	1.28
August	107,195	6,940	15	3,458	1.04	1.20
September	191,140	8,940	2,630	6,371	1.92	2.14
Water year 1934-35	1,741,571	21,300	15	4,771	1.44	19.50

*Estimated. Gage out of order.
†Estimated. Affected by backwater from Coosa River.

Cahaba River at Centerville, Ala.

Location.- Wire-weight gage, lat. 32°56', long. 87°8', in T. 23 N., R. 9 E., at bridge on State Highway 6 a quarter of a mile west of Centerville.

Drainage area.- 1,050 square miles (revised).

Records available.- August 1901 to February 1908, May 1929 to March 1932, May to September 1935.

Extremes.- Maximum discharge observed during period, 4,850 second-feet June 3 (gage height, 12.87 feet); minimum observed, 167 second-feet Sept. 26, 27, 29, 30; minimum gage-height observed, 1.58 feet Sept. 30.
1901-8, 1929-32, 1935: Maximum discharge, 70,100 second-feet Mar. 28, 1902 (gage height, 35.55 feet, present datum); minimum, 90 second-feet Oct. 24-29, 1904 (gage height, -0.35 foot, present datum).
Maximum stage known, 36.2 feet (from flood marks, present datum) July 8, 1916 (discharge, 74,200 second-feet).

Remarks.- Records fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	433	371	248	287
2								-	570	433	300	274
3								-	3,920	500	261	274
4								-	3,e80	401	248	287
5								-	2,070	356	248	274
6								-	1,030	401	224	261
7								-	718	356	224	261
8								-	606	342	212	261
9								-	606	433	200	261
10								-	570	401	200	500
11								-	570	386	314	643
12								-	535	371	261	401
13								-	535	300	224	356
14								-	606	287	212	342
15								-	606	261	236	261
16								-	570	248	433	224
17								-	570	248	466	212
18								-	756	248	535	212
19								-	466	236	535	178
20								-	433	236	342	189
21								-	386	236	433	189
22								-	718	236	386	189
23								-	718	236	314	189
24								-	466	224	371	178
25								-	433	224	261	178
26								-	386	224	300	167
27								-	371	261	356	167
28								-	328	274	433	178
29								500	342	236	342	167
30								500	401	248	300	167
31								466	-	356	287	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October						
November						
December						
Calendar year						
January						
February						
March						
April						
May						
June	24,599	3,920	328	820	0.781	0.87
July	9,570	500	224	309	.294	.34
August	9,706	535	200	313	.298	.34
September	7,727	643	167	258	.246	.27
Water year						

East Fork of Tombigbee River near Fulton, Miss.

Location.- Wire-weight gage, lat. 34°16', long. 88°27', in T. 9 S., R. 8 E., at bridge on U. S. Highway 78.2 miles west of Fulton. Prior to Oct. 27, 1934, chain gage at same datum on old highway bridge 200 feet upstream.

Drainage area.- 650 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 11,900 second-feet Mar. 13 (gage height, 16.72 feet); minimum observed, 30 second-feet Sept. 1 (gage height, 1.52 feet).

1928-35: Maximum discharge, 19,600 second-feet Sept. 28, 1932 (gage height, 18.52 feet); minimum, 14 second-feet Aug. 12, 1930 (gage height, 0.87 foot).

Remarks.- Records fair.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1-27

2.0	57
2.5	96
3.0	136
4.0	221
6.0	394
8.0	571

Table for Oct. 28 to Sept. 30

1.5	30	11.0	1,020	15.3	3,500
2.0	58	11.5	1,120	15.5	4,100
3.0	129	12.0	1,250	15.7	4,900
5.0	302	13.0	1,560	15.9	5,900
7.0	495	14.0	1,970	16.1	7,100
9.0	721	14.5	2,260	16.3	8,500
10.0	855	14.8	2,530	16.5	10,100
10.5	930	15.0	2,800		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	455	91	945	2,190	1,760	2,530	2,430	649	485	293	64	32
2	238	113	786	7,680	1,560	1,920	2,530	495	320	347	58	32
3	136	145	673	5,200	1,360	1,480	2,070	564	646	395	52	46
4	112	302	985	3,010	1,180	1,150	1,640	885	1,320	302	52	356
5	100	385	1,080	2,140	985	1,560	1,280	965	1,720	230	52	365
6	100	248	920	1,640	825	2,840	1,360	1,390	1,600	161	52	153
7	96	161	673	1,180	685	5,820	1,760	2,850	1,380	137	73	80
8	92	129	475	930	592	5,080	1,920	4,700	1,020	153	80	55
9	124	121	395	965	770	3,250	1,800	3,400	1,060	121	52	43
10	325	113	347	985	1,450	2,340	1,560	2,360	764	98	43	84
11	308	105	311	930	2,840	1,840	1,280	1,800	455	91	40	64
12	273	105	266	825	2,800	2,570	1,040	1,270	311	84	52	70
13	178	98	257	673	2,530	9,820	885	838	275	84	40	64
14	136	98	257	559	2,530	6,950	734	581	266	77	37	58
15	112	98	248	485	2,800	3,680	625	435	559	73	84	49
16	96	105	248	435	2,280	2,500	537	425	685	67	212	46
17	92	105	293	475	2,260	1,970	455	435	603	64	239	43
18	84	105	356	709	1,880	1,560	425	356	485	64	113	40
19	84	113	637	734	1,450	1,250	425	320	385	64	137	43
20	84	113	721	1,080	1,120	1,060	649	654	293	67	145	40
21	80	248	637	1,960	864	915	840	1,510	239	64	98	37
22	80	858	603	2,950	697	799	945	2,130	230	241	73	37
23	76	1,540	526	3,800	637	709	930	1,880	239	495	70	37
24	73	1,920	445	3,370	637	625	840	1,480	185	221	64	37
25	76	1,840	385	2,650	649	559	685	1,020	161	121	55	35
26	73	1,450	395	2,260	1,510	515	515	625	145	98	52	32
27	84	1,020	455	2,070	2,530	485	485	405	129	91	43	32
28	80	945	673	1,970	3,120	772	721	311	121	98	40	32
29	77	1,040	900	1,920	-	1,020	760	266	266	84	40	35
30	73	1,000	965	1,920	-	1,200	760	495	302	77	37	37
31	70	-	1,080	1,880	-	1,860	-	592	-	67	35	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	4,067	455	70	131	0.202	0.23
November	14,714	1,920	91	490	.754	.84
December	17,937	1,080	248	579	.891	1.03
Calendar year 1934	185,556	9,000	38	508	.782	10.62
January	59,575	7,680	435	1,922	2.96	3.41
February	44,821	3,120	592	1,601	2.46	2.56
March	70,629	9,820	485	2,278	3.50	4.04
April	32,886	2,530	425	1,096	1.69	1.89
May	36,086	4,700	266	1,164	1.79	2.06
June	16,649	1,720	121	555	.854	.95
July	4,629	495	64	149	.229	.26
August	2,284	239	35	73.7	.113	.13
September	2,114	365	32	70.5	.108	.12
Water year 1934-35	306,391	9,820	32	839	1.29	17.52

Tombigbee River at Aberdeen, Miss.

Location.- Wire-weight gage, lat. 33°49', long. 88°32', in T. 14 S., R. 19 W., at bridge on U. S. Highway 45, 1 mile downstream from St. Louis-San Francisco Railroad bridge and 1½ miles south of Aberdeen. Gage prior to Nov. 4 was chain gage on St. Louis-San Francisco Railroad bridge 1 mile upstream, at same datum.

Drainage area.- 2,210 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge during year, 21,100 second-feet Mar. 14 (gage height at crest, 34.8 feet); minimum observed, 105 second-feet Sept. 3 (gage height, 1.50 feet).

1928-35: Maximum discharge, 33,100 second-feet Dec. 16, 1931 (gage height at crest, 39.61 feet, former site); minimum discharge observed, 61 second-feet Aug. 8, 1930; minimum gage height observed, 1.64 feet (former site) Sept. 27, 1931.

Maximum stage known, 44.8 feet (revised) Apr. 20, 1892, former site (discharge not determined).

Remarks.- Records fair.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,160	205	3,980	6,160	5,580	7,700	5,440	1,850	1,710	1,120	322	120
2	915	239	2,900	7,760	4,580	6,340	4,660	1,680	1,580	623	343	112
3	785	327	2,860	9,390	4,060	5,440	3,900	1,770	2,070	767	247	105
4	471	423	4,180	9,250	3,580	5,460	3,740	2,840	4,400	910	213	165
5	345	739	3,320	8,480	2,980	9,240	3,860	2,060	3,320	823	197	343
6	291	530	2,340	8,180	3,020	13,400	5,790	4,070	2,410	632	189	410
7	273	555	2,100	7,490	2,690	17,700	8,240	7,240	2,100	505	189	481
8	256	457	1,880	6,480	2,380	18,900	8,540	3,420	2,200	410	173	343
9	239	365	1,580	5,530	2,710	17,400	7,290	8,120	2,060	365	173	247
10	447	302	1,250	4,900	5,440	15,200	5,580	6,660	1,880	365	173	230
11	890	265	1,030	3,780	6,250	13,900	4,740	5,660	1,680	343	165	213
12	840	265	910	3,100	5,140	14,300	5,260	5,080	1,410	283	157	213
13	665	247	852	2,620	4,390	17,900	4,180	4,100	1,150	265	157	205
14	519	247	795	2,270	7,190	20,700	3,380	3,300	1,220	283	157	189
15	405	247	767	1,960	8,060	18,500	2,830	2,620	1,730	410	157	181
16	327	230	739	1,710	8,120	16,500	2,340	2,240	6,100	265	197	173
17	291	230	767	1,650	7,290	15,100	1,960	2,200	5,760	247	205	157
18	256	230	1,100	2,020	6,300	13,000	1,710	1,760	3,380	230	387	142
19	239	247	1,750	1,820	5,350	10,900	1,580	1,220	2,060	213	530	135
20	239	247	2,480	3,400	4,420	8,780	2,720	2,370	1,410	205	365	127
21	222	528	2,060	5,060	3,780	6,440	4,970	5,300	1,120	230	343	127
22	222	3,590	1,920	7,140	3,220	4,610	5,890	5,840	1,310	665	302	120
23	222	6,480	2,060	7,440	2,760	3,260	4,420	3,740	1,660	948	322	120
24	222	7,700	1,710	7,760	2,380	2,690	3,180	2,580	1,030	481	230	120
25	222	7,700	1,510	7,340	2,840	2,300	2,580	2,410	795	580	197	127
26	222	4,300	1,560	7,090	6,640	2,060	2,200	2,340	606	410	189	157
27	222	2,660	2,340	7,590	6,480	1,960	1,920	2,160	555	410	197	150
28	205	2,860	3,080	8,120	9,110	3,610	2,440	1,610	530	530	197	135
29	205	4,460	5,760	8,060	-	3,380	2,200	1,090	852	322	165	142
30	205	3,700	4,740	7,490	-	2,760	2,020	1,060	970	283	142	127
31	205	-	4,300	6,700	-	4,220	-	2,020	-	283	136	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	12,207	1,160	205	394	0.178	0.21
November	50,575	7,700	205	1,686	.763	.85
December	68,620	5,760	739	2,214	1.00	1.15
Calendar year 1934	591,572	16,400	156	1,621	.733	9.95
January	177,740	9,390	1,650	5,734	2.59	2.99
February	138,740	9,110	2,380	4,955	2.24	2.33
March	303,650	20,700	1,960	9,795	4.43	5.11
April	119,560	8,540	1,580	3,985	1.80	2.01
May	105,430	8,420	1,060	3,401	1.54	1.78
June	59,278	6,100	530	1,976	.894	1.00
July	14,606	1,120	205	471	.213	.25
August	7,115	530	135	230	.104	.12
September	5,616	481	105	187	.085	.09
Water year 1934-35	1,063,137	20,700	105	2,913	1.32	17.89

Tombigbee River at Columbus, Miss.

Location.- Water-etage recorder, lat. 33°29', long. 88°26', in T. 18 S., R. 18 W., in Columbus, a quarter of a mile above Mobile & Ohio Railroad bridge, a quarter of a mile below bridge on U. S. Highway 45, and 3 miles above Luxapalila Creek. Prior to Oct. 2, 1934, chain gage, and from Oct. 2 to Nov. 7, 1934, wire-weight gage, each at present datum at Mobile & Ohio Railroad bridge a quarter of a mile downstream.

Drainage area.- 4,490 square miles.

Records available.- November 1934 to September 1935; January 1900 to December 1904, at site about 300 feet upstream; July 1905 to December 1912, at site a quarter of a mile upstream; August 1928 to November 1934, at site a quarter of a mile downstream.

Average discharge.- 18 years (1900-1904, 1905-12, 1928-35), 6,030 second-feet.

Extremes.- Maximum discharge during year, 39,900 second-feet Mar. 9 (gage height, 28.12 feet); minimum, 322 second-feet Sept. 26 (gage height, 0.76 foot).
1900-1912, 1928-35: Maximum gage height observed, 34.6 feet (present datum) Mar. 31, 1902 (discharge not determined); minimum discharge not determined.
Maximum stage known, 42.6 feet (present datum) Apr. 8, 1892 (discharge not determined).

Remarks.- Records good.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,200	560	9,200	13,700	12,400	19,000	15,700	4,870	2,740	2,130	716	390
2	1,590	600	7,800	14,600	9,720	18,000	15,400	4,150	2,740	2,130	765	372
3	1,410	560	15,800	15,800	7,800	14,000	13,900	3,400	3,250	1,850	692	372
4	1,050	760	5,520	17,000	6,680	10,400	10,900	4,360	6,940	1,790	578	369
5	760	760	6,830	16,400	5,800	17,600	8,840	4,870	8,310	1,790	508	397
6	640	720	5,000	14,700	5,130	23,300	13,700	8,810	6,530	1,420	481	516
7	600	1,000	3,500	13,400	4,510	29,700	17,600	17,800	4,270	1,160	466	645
8	560	990	2,920	12,200	3,930	36,300	18,800	19,700	3,200	1,040	462	716
9	938	840	2,500	10,600	3,820	39,500	19,500	20,200	3,010	965	436	578
10	1,930	716	2,130	9,890	6,440	38,800	18,700	19,900	2,660	890	429	493
11	1,790	645	1,790	7,970	10,100	35,100	17,500	17,800	2,420	840	436	455
12	2,070	600	1,610	6,080	10,900	32,600	16,400	13,300	2,130	790	415	473
13	2,070	578	1,470	4,750	8,140	32,800	15,200	9,200	1,790	716	397	500
14	1,930	557	1,360	4,040	10,600	33,300	13,000	6,680	1,850	692	411	496
15	1,290	536	1,320	3,400	14,200	35,100	8,310	5,130	1,610	740	440	462
16	950	536	1,290	3,010	15,800	36,300	5,660	4,510	5,580	765	496	440
17	760	536	1,260	2,740	16,500	33,600	4,510	4,630	10,100	645	512	411
18	640	536	1,390	3,220	14,700	28,700	3,710	3,710	10,400	600	622	390
19	640	557	2,060	4,630	11,600	24,000	3,400	2,830	7,800	557	690	369
20	600	536	3,010	4,630	8,840	20,400	4,480	3,820	4,630	536	990	355
21	560	670	3,600	9,120	6,830	17,200	11,100	8,100	2,660	536	890	349
22	560	5,620	3,100	15,700	5,520	13,000	14,200	11,700	1,990	536	815	342
23	525	11,400	3,010	17,000	4,630	8,310	14,900	12,800	2,830	940	716	342
24	525	13,300	2,740	18,000	4,040	6,080	14,000	9,550	2,500	1,020	765	335
25	525	16,000	2,420	18,100	3,600	5,000	11,200	5,130	1,850	865	645	328
26	525	16,400	3,280	17,500	11,200	4,270	8,990	3,820	1,470	840	716	325
27	490	12,800	5,260	17,200	16,200	4,270	5,390	3,300	1,260	740	740	338
28	490	6,990	7,790	16,900	18,100	5,130	5,940	2,830	1,120	765	578	342
29	490	6,230	12,400	16,800	-	7,630	6,080	2,200	1,340	965	508	338
30	490	9,020	13,000	16,500	-	8,480	5,660	1,790	1,730	890	451	349
31	525	-	12,400	15,000	-	10,200	-	2,060	-	815	415	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	29,123	2,070	490	939	0.209	0.24
November	111,553	16,400	536	3,718	.828	.92
December	136,760	13,000	1,260	4,412	.983	1.13
Calendar year 1934	1,279,996	44,300	455	3,507	.781	10.60
January	360,580	18,100	2,740	11,630	2.59	2.99
February	257,730	18,100	3,600	9,205	2.05	2.14
March	648,070	39,500	4,270	20,910	4.66	5.37
April	340,670	19,500	3,400	11,360	2.53	2.82
May	242,950	20,200	1,790	7,837	1.75	2.02
June	110,710	10,400	1,120	3,690	.822	.92
July	30,958	2,130	536	999	.222	.26
August	18,381	990	397	593	.132	.15
September	12,587	716	325	420	.094	.10
Water year 1934-35	2,300,072	39,500	325	6,302	1.40	19.08

Tombigbee River near Coatopa, Ala.

Location.- Wire-weight gage, lat. 32°26', long. 88°2', in T. 17 N., R. 1 E., at Moscow Memorial Bridge, on U. S. Highway 80, 2 miles above Sucarnoochee Creek and 5 miles southeast of Coatopa. Prior to Dec. 18, 1934, chain gage at same site and datum.

Drainage area.- 15,500 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge observed during year ending Sept. 30, 1934 (revised), 87,900 second-feet Mar. 12 (gage height, 42.67 feet); minimum observed (revised), 1,430 second-feet Oct. 14 (gage height, 2.88 feet). Maximum discharge observed during year ending Sept. 30, 1935, 123,000 second-feet Mar. 19 (gage height, 47.1 feet); minimum discharge observed, 860 second-feet Sept. 28, 29; minimum gage height observed, 2.39 feet Sept. 28.
1928-35: Maximum discharge, 179,000 second-feet Mar. 29, 1929 (gage height, 51.4 feet); minimum, 371 second-feet Oct. 1, 1931 (gage height, 2.32 feet).

Remarks.- Records good.

Rating table, water years 1933-35 (gage height, in feet, and discharge, in second-feet)

3.0	1,570	7.5	12,700	36.0	69,000
3.5	2,500	8.0	14,000	38.0	73,900
4.0	3,580	9.0	16,400	40.0	78,900
4.5	4,740	10.0	18,400	41.0	81,900
5.0	5,940	12.0	22,200	42.0	85,200
5.5	7,190	15.0	27,600	43.0	89,100
6.0	8,480	21.0	39,000	44.0	94,500
6.5	9,820	30.0	57,000	45.0	102,000
7.0	11,200				

Discharge, in second-feet, water year October 1933 to September 1934

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,200	2,100	3,140	5,220	5,460	44,200	48,000	8,480	3,580	3,140	13,200	10,100
2	2,500	2,000	3,140	6,690	5,700	43,600	44,200	7,440	3,360	3,810	10,100	7,190
3	3,360	2,100	4,040	12,100	5,940	51,200	36,000	7,190	3,140	4,740	7,440	4,500
4	3,140	2,000	2,710	15,200	8,190	6,3800	27,100	6,440	2,920	6,190	4,740	3,580
5	2,710	1,910	2,920	14,500	6,440	71,900	19,900	5,940	2,920	7,700	3,580	3,140
6	2,920	1,730	3,810	13,500	6,690	76,100	16,200	6,190	3,810	10,400	3,140	2,710
7	2,600	1,910	4,270	20,100	6,440	78,900	14,500	6,690	6,440	11,500	2,920	2,500
8	2,200	2,400	5,940	26,500	6,190	81,600	14,800	7,440	7,440	13,500	3,810	2,400
9	2,000	3,140	7,960	32,900	5,460	83,800	14,000	7,440	12,900	10,100	5,460	2,200
10	2,000	3,360	7,440	37,900	5,220	85,900	14,300	7,190	17,400	15,200	4,500	2,100
11	1,650	3,580	9,010	40,000	5,220	87,100	14,000	6,940	17,000	18,000	3,580	2,000
12	1,650	2,920	7,440	39,000	7,190	87,900	11,800	6,690	16,600	16,200	4,040	1,910
13	1,500	2,600	5,940	34,100	9,280	87,100	9,550	5,940	17,400	11,600	4,040	1,910
14	1,500	2,400	5,700	24,600	11,500	85,200	9,280	6,440	20,300	8,740	5,700	2,200
15	1,500	2,400	5,940	17,200	12,100	80,400	8,220	6,940	20,700	7,440	7,190	2,400
16	1,570	2,200	5,700	14,000	10,700	71,900	7,700	9,280	16,600	5,460	6,940	2,400
17	1,730	2,200	5,460	12,900	9,820	60,600	9,820	10,400	11,800	4,980	5,460	2,400
18	2,200	2,200	5,460	11,500	8,480	47,400	14,800	8,220	9,010	4,270	3,580	2,600
19	2,500	2,400	6,190	9,820	7,960	35,600	15,200	8,480	7,440	4,500	3,360	2,710
20	2,710	2,200	7,190	8,740	7,700	26,700	21,100	7,960	9,550	4,040	3,810	2,920
21	3,360	2,400	11,800	8,220	7,960	21,800	20,500	7,440	11,600	3,580	4,980	3,140
22	4,040	2,600	13,800	7,960	7,700	21,300	18,400	5,940	11,200	3,810	5,460	2,500
23	3,810	2,920	9,820	7,440	10,100	21,500	15,900	4,980	9,550	3,810	7,190	2,400
24	3,580	4,500	9,010	7,190	10,400	20,900	14,000	6,190	6,440	3,580	9,550	2,100
25	3,140	5,220	7,960	6,940	10,400	19,400	12,700	6,190	5,220	2,710	10,400	1,910
26	2,400	5,220	6,690	6,940	28,200	18,400	12,400	4,270	4,740	2,400	9,820	1,820
27	2,500	5,460	6,190	6,690	37,500	24,000	11,800	4,040	4,500	2,400	9,550	1,730
28	2,710	4,500	6,440	6,190	41,400	34,300	11,500	3,580	4,270	4,040	10,100	1,730
29	2,400	4,270	6,440	5,940	-	41,800	10,700	3,140	3,360	7,440	12,900	1,650
30	2,300	3,810	5,700	5,700	-	45,600	10,400	3,360	4,040	10,400	13,800	1,730
31	2,200	-	4,980	5,220	-	48,200	-	3,580	-	14,300	11,800	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	76,580	4,040	1,500	2,470	0.159	0.18
November	88,650	5,460	1,730	2,955	.191	.21
December	198,230	13,800	2,710	6,395	.413	.48
Calendar year 1933	8,087,320	137,000	1,500	22,160	1.43	19.39
January	470,900	40,000	5,220	15,190	.980	1.13
February	303,340	41,400	5,220	10,830	.699	.73
March	1,668,300	87,900	18,400	53,820	3.47	4.00
April	508,770	48,000	7,700	16,960	1.09	1.22
May	200,440	10,400	3,140	6,466	.417	.48
June	275,430	20,700	2,920	9,181	.592	.66
July	230,180	18,000	2,400	7,425	.479	.55
August	212,140	13,600	2,920	6,843	.441	.51
September	84,580	10,100	1,650	2,819	.182	.20
Water year 1933-34	4,317,540	87,900	1,500	11,830	.763	10.35

Note.- Revised records for 1933-34 supersede those published in Water-Supply Paper 757.

Tombigbee River near Coatopa, Ala.

(Continued)

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,570	3,580	17,000	46,000	33,100	38,400	49,600	26,200	7,440	4,040	3,140	1,730
2	1,820	3,360	19,000	46,600	29,500	41,200	52,600	22,600	7,700	4,740	3,140	1,500
3	2,000	4,040	19,200	47,400	25,300	41,200	56,600	19,000	8,480	5,700	2,500	1,430
4	2,200	6,940	17,600	48,000	21,100	38,600	59,800	16,200	10,400	5,940	2,400	1,360
5	2,710	7,960	15,000	47,600	18,000	38,600	61,400	17,400	13,200	5,940	2,200	1,120
6	4,040	6,940	13,800	45,400	16,600	55,400	61,200	21,600	16,200	4,740	2,000	1,240
7	6,190	6,690	13,500	41,000	14,800	71,900	59,000	43,400	16,200	4,270	1,730	1,180
8	10,400	5,940	11,500	35,400	13,800	80,700	57,800	55,000	13,500	4,040	1,650	1,240
9	8,480	4,980	9,820	30,800	12,700	87,500	57,200	62,200	10,400	3,910	1,570	1,070
10	7,960	4,740	8,480	28,400	11,800	92,100	57,000	66,400	8,220	3,140	1,430	1,500
11	21,800	3,810	7,960	27,600	12,100	95,800	63,200	69,200	7,190	2,710	1,240	1,730
12	30,300	3,810	7,700	26,400	14,500	103,000	68,800	70,100	6,690	2,710	1,360	1,910
13	35,800	3,360	6,940	23,800	17,600	109,000	69,900	69,400	5,940	2,500	1,360	1,910
14	40,600	3,140	5,460	19,900	24,000	116,000	69,400	65,800	5,700	2,500	1,360	1,910
15	43,800	2,920	5,700	17,000	33,700	117,000	68,400	58,600	5,220	2,500	1,500	1,570
16	45,600	3,140	5,460	14,800	41,000	119,000	65,400	41,400	5,220	2,500	2,100	1,570
17	45,600	2,920	5,220	12,900	43,600	121,000	59,800	29,000	6,940	2,600	3,140	1,500
18	42,200	2,920	5,460	12,400	44,400	121,000	52,200	22,000	12,900	2,600	3,580	1,570
19	35,800	2,920	6,440	12,100	45,200	123,000	40,000	17,800	16,400	2,600	4,040	1,500
20	23,300	3,580	8,220	13,200	42,600	121,000	29,900	16,800	15,700	2,400	4,040	1,500
21	7,960	6,940	9,550	14,800	39,400	117,000	22,400	22,800	12,700	2,000	4,040	1,430
22	4,980	22,200	11,200	23,100	29,500	111,000	24,000	24,700	8,740	2,000	3,360	1,500
23	4,740	33,700	11,800	34,300	21,500	106,000	29,600	24,400	6,190	1,910	3,360	1,430
24	4,270	38,100	11,200	41,000	18,400	96,500	34,500	23,800	5,940	1,820	3,140	1,300
25	4,040	38,600	9,820	44,800	16,400	88,300	36,200	22,200	6,190	1,650	2,710	1,240
26	3,580	36,700	17,600	45,800	20,700	79,200	34,300	18,400	5,940	1,910	2,600	1,120
27	3,580	33,500	29,300	45,000	28,600	68,600	30,100	14,000	5,220	2,100	2,600	1,070
28	3,140	31,000	39,400	43,200	34,600	59,400	28,600	9,010	4,500	2,500	2,300	910
29	3,140	25,800	47,200	42,000	-	51,200	27,100	9,010	4,040	2,100	1,910	860
30	3,360	20,300	48,400	38,600	-	47,800	28,400	8,220	4,040	2,400	2,200	910
31	3,810	-	47,200	36,000	-	48,600	-	7,700	-	2,500	1,910	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	458,770	45,600	1,570	14,800	0.955	1.10
November	374,530	38,600	2,920	12,480	.805	.90
December	492,130	48,400	5,220	15,880	1.02	1.18
Calendar year 1934	5,279,510	87,900	1,570	14,460	.933	12.66
January	1,005,300	48,000	12,100	32,430	2.09	2.41
February	724,400	45,200	11,800	25,870	1.67	1.74
March	2,604,000	123,000	38,400	84,000	5.42	6.25
April	1,454,300	69,900	22,400	48,480	3.13	3.49
May	994,340	70,100	7,700	32,080	2.07	2.39
June	263,140	16,400	4,040	8,771	.566	.63
July	94,970	5,940	1,650	3,064	.198	.23
August	75,610	4,040	1,240	2,439	.157	.18
September	41,810	1,910	860	1,394	.090	.10
Water year 1934-35	8,563,300	123,000	660	23,520	1.52	20.60

Tombigbee River near Leroy, Ala.

Location.- Staff gage, lat. 31°34', long. 88°1', just above Lock 1, in T. 7 N., on St. Stephens meridian, 5 miles northwest of Leroy (revised). Zero of gage is 4.69 feet below mean sea level.

Drainage area.- 19,100 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 123,000 second-feet Mar. 22-24 (gage height, 41.1 feet); minimum discharge observed, 1,290 second-feet Sept. 30; minimum gage height observed, 18.4 feet July 23.
1928-35: Maximum discharge, 190,000 second-feet Apr. 2, 1929 (gage height at crest, 46.0 feet); minimum not determined.

Remarks.- Records good except those below 20,000 second-feet, which are fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1-11 and July 23 to Sept. 30)

17.8	1,160	22.0	18,800	33.0	58,300
18.0	1,600	23.0	22,800	35.0	68,200
18.4	2,620	24.0	26,700	36.0	74,100
18.8	3,800	25.0	29,900	37.0	80,800
19.2	5,140	27.0	35.500	37.5	84,800
19.6	6,650	28.0	38,500	38.0	89,300
20.0	8,450	29.0	41,700	38.5	94,300
20.5	11,100	30.0	45,200	39.0	99,800
21.0	14,000	31.0	49,100	40.0	111,000
21.5	16,700	32.0	53,500	41.2	125,000

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,480	4,450	31,300	51,300	42,700	43,700	75,300	40,700	10,600	5,140	2,900	2,760
2	1,840	4,790	26,700	51,300	40,100	44,800	69,900	37,900	10,000	5,500	3,190	2,480
3	2,090	5,500	24,000	51,300	36,400	45,500	66,700	33,500	10,600	5,870	3,340	2,350
4	2,350	8,950	22,800	51,300	33,300	46,300	64,700	28,700	12,300	6,650	3,040	1,960
5	3,040	11,700	21,200	52,100	29,000	46,700	64,700	23,200	14,600	7,070	2,760	1,840
6	4,120	11,100	19,600	52,600	24,000	53,500	65,200	23,200	16,200	7,070	2,480	1,840
7	5,500	9,470	18,000	51,700	20,400	64,200	66,200	30,200	17,600	6,650	2,220	1,840
8	6,650	8,450	17,100	50,000	18,400	72,900	67,200	42,400	17,600	5,870	2,090	1,840
9	7,510	7,970	15,700	46,300	17,100	78,700	66,700	50,000	15,700	5,500	1,960	1,840
10	7,070	6,650	14,000	42,400	16,200	84,800	65,700	55,300	12,900	4,790	1,960	2,090
11	8,950	5,870	12,300	38,500	15,700	88,400	66,700	60,200	10,000	4,280	1,840	2,480
12	24,000	5,140	11,100	35,800	16,200	91,300	68,200	64,200	8,950	3,800	1,840	2,900
13	30,500	4,450	10,000	33,300	19,200	94,300	69,900	67,200	7,970	3,490	1,840	2,900
14	33,800	4,280	9,470	30,500	25,200	98,700	71,700	69,300	7,070	3,340	1,720	2,900
15	37,000	4,450	8,950	26,700	35,200	102,000	72,900	70,500	6,650	3,340	1,720	2,760
16	39,800	4,120	8,450	22,400	40,700	106,000	74,100	69,900	6,650	3,190	1,960	2,480
17	42,400	3,960	7,510	19,600	44,400	110,000	73,500	65,700	7,070	3,190	2,900	2,350
18	44,100	3,800	7,510	17,600	46,300	114,000	72,300	57,300	7,970	3,190	4,450	2,350
19	44,100	3,600	9,470	16,200	47,900	118,000	68,200	46,300	13,400	3,040	5,140	2,480
20	41,400	6,650	12,300	15,700	48,700	121,000	62,700	37,900	16,700	3,040	6,650	3,640
21	35,200	22,400	13,400	17,100	48,300	122,000	53,000	36,700	16,700	2,760	6,250	3,640
22	22,400	34,100	14,600	23,600	45,900	123,000	44,400	36,100	14,600	2,760	5,140	3,040
23	12,300	43,700	14,600	31,300	41,400	123,000	40,100	34,700	11,700	2,480	4,790	2,480
24	7,970	46,700	15,200	37,300	36,100	122,000	38,800	31,900	8,950	2,480	4,280	2,220
25	6,250	46,700	14,600	41,100	31,300	120,000	38,800	29,600	7,970	2,220	3,960	1,960
26	5,500	45,200	17,100	43,700	32,200	118,000	39,500	26,700	7,510	2,760	3,800	1,840
27	5,140	43,700	25,200	46,300	37,900	113,000	39,100	22,000	6,650	3,040	3,640	1,720
28	4,790	42,700	31,300	47,100	41,400	106,000	38,800	17,600	6,250	3,800	3,490	1,600
29	4,450	38,500	40,700	47,100	-	98,700	38,800	14,600	5,500	3,640	3,340	1,480
30	4,120	35,200	47,100	46,300	-	88,400	40,700	12,300	5,140	3,040	3,040	1,310
31	4,120	-	50,400	44,800	-	80,800	-	10,600	-	2,900	2,900	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	501,740	44,100	1,840	16,190	0.848	0.98
November	524,450	46,700	3,600	17,480	.915	1.02
December	591,660	50,400	7,510	19,090	.999	1.15
Calendar year 1934	6,596,150	88,900	1,840	18,070	.946	12.83
January	1,182,300	52,600	15,700	38,140	2.00	2.31
February	931,600	48,700	15,700	33,270	1.74	1.81
March	2,839,700	123,000	43,700	91,600	4.80	5.53
April	1,764,500	75,300	38,800	59,480	3.11	3.47
May	1,246,400	70,500	10,600	40,210	2.11	2.43
June	321,500	17,600	5,140	10,720	.561	.63
July	125,890	7,070	2,220	4,061	.213	.25
August	100,630	6,650	1,720	3,246	.170	.20
September	69,370	3,640	1,310	2,312	.121	.14
Water year 1934-35	10,219,740	123,000	1,310	28,000	1.47	19.92

Mulberry Fork of Black Warrior River near Garden City, Ala.

Location.- Wire-weight gage, lat. 34°, long. 86°45', in T. 12 S., R. 2 W., at bridge on U. S. Highway 31, 1,000 feet below Louisville & Nashville Railroad bridge and 1 mile southwest of Garden City. Prior to Dec. 4, chain gage at same site and datum.

Drainage area.- 365 square miles.

Records available.- June 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 13,900 second-feet Mar. 12 (gage height, 12.35 feet); minimum discharge observed, 6 second-feet Sept. 24-30; minimum gage height observed, 2.02 feet Sept. 29, 30.
1928-35: Maximum discharge, 30,400 second-feet Nov. 14, 1929 (gage height, 17.96 feet, from graph based on gage readings); minimum observed, 3 second-feet Sept. 28-30, Oct. 1, 3-6, 1931 (gage height, 1.88 feet).

Remarks.- Records fair.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to Mar. 5				Table for Mar. 6 to Sept. 30			
2.3	24	5.5	1,770	2.0	5	4.5	840
2.4	33	6.0	2,270	2.1	10	5.0	1,170
2.5	44	6.5	2,870	2.2	17	6.0	2,030
2.7	72	7.0	3,570	2.4	37	7.0	3,090
3.0	135	8.0	5,170	2.6	65	8.0	4,580
3.5	324	9.0	6,970	2.8	101	9.0	6,380
4.0	600	10.0	8,970	3.0	148	10.0	8,420
4.5	920	11.0	11,300	3.5	319	11.0	10,600
5.0	1,320			4.0	561		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	157	570	2,420	485	955	2,630	410	159	363	72	14
2	28	180	430	1,770	456	850	1,500	386	133	278	50	12
3	25	160	402	1,410	430	752	1,330	341	128	128	35	11
4	25	570	485	1,150	430	693	1,350	319	241	79	28	11
5	53	300	402	920	375	9,370	1,170	298	188	59	24	9
6	711	189	324	850	350	6,210	2,290	4,820	128	74	19	8
7	242	152	350	785	300	4,220	1,500	3,570	103	67	16	8
8	98	146	300	752	300	2,420	1,170	1,760	92	56	15	7
9	623	138	277	1,320	300	1,850	964	1,250	92	45	14	7
10	8,840	125	277	920	402	1,500	840	964	86	35	11	16
11	3,580	402	260	850	350	1,250	1,580	781	79	30	11	10
12	1,680	189	219	752	300	9,880	964	668	68	26	11	9
13	1,150	155	207	690	719	3,920	781	561	64	22	108	8
14	850	141	200	630	4,790	2,220	696	509	103	20	68	8
15	690	130	189	570	3,430	1,670	614	434	434	19	52	8
16	600	125	180	540	2,510	1,410	561	614	298	16	79	8
17	485	113	204	885	1,870	1,250	484	954	224	16	123	8
18	430	111	430	690	1,500	964	459	484	148	15	119	7
19	402	107	485	570	1,320	840	535	386	105	14	93	7
20	402	105	512	512	1,070	781	614	459	84	14	52	7
21	324	105	430	660	885	668	2,220	459	75	14	90	7
22	273	2,390	540	1,410	818	614	1,170	319	110	14	90	7
23	234	955	485	1,150	850	561	840	278	176	14	82	7
24	211	600	458	920	690	484	724	241	97	13	507	6
25	193	485	430	885	630	459	614	204	68	14	133	6
26	176	430	570	850	2,510	561	535	173	56	123	67	6
27	160	402	512	785	1,410	484	509	143	50	241	40	6
28	141	350	570	690	1,070	5,320	535	138	44	108	29	6
29	128	324	720	630	-	1,170	781	128	41	86	22	6
30	121	955	690	570	-	840	561	146	56	1,120	17	6
31	133	-	785	540	-	2,030	-	259	-	154	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	23,040	8,840	25	743	2.04	2.35
November	10,691	2,390	105	356	.975	1.09
December	12,893	785	180	416	1.14	1.31
Calendar year 1934	205,123	9,700	21	562	1.54	20.89
January	28,078	2,420	512	906	2.48	2.86
February	30,552	4,790	300	1,091	2.99	3.11
March	66,196	9,880	459	2,135	5.85	6.74
April	31,021	2,630	459	1,034	2.83	3.16
May	22,466	4,820	128	725	1.99	2.29
June	3,730	434	41	124	0.340	0.38
July	3,277	1,120	13	106	.290	.33
August	2,093	507	11	67.5	.185	.21
September	246	16	6	8.20	.022	.02
Water year 1934-35	234,281	9,880	6	642	1.76	23.85

Black Warrior River at Lock 17, near Bessemer, Ala.

Location.- Staff gage, lat. 33°27', long. 87°21', in T. 18 S., R. 8 W., at Lock 17, 1½ miles below Big Yellow Creek and 23 miles west of Bessemer. Zero of gage is 173.11 feet above mean sea level.

Drainage area.- 3,980 square miles.

Records available.- June 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 78,200 second-feet Oct. 10 (gage height, 76.82 feet); minimum gage height observed, 69.38 feet Sept. 30 (discharge, about 2 second-feet).

1928-35: Maximum discharge observed, 133,000 second-feet Nov. 15, 1929 (gage height, 79.94 feet); minimum not determined.

Maximum stage known, 80.3 feet July 9, 1916 (discharge not determined).

Remarks.- Monthly records fair. Daily discharge not sufficiently accurate for publication. Records do not include leakage, which probably amounts to 80 second-feet. Flow over dam above 18,500 second-feet determined from table based on weir formula, $Q = 3.33LH^{3/2}$. Flow at extremely low stages affected by lockages at Lock and Dam 17.

Monthly discharge, in second-feet, water year October 1934 to September 1935

Month	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	71,800	202	9,998	2.51	2.89
November	10,400	608	1,961	.493	.55
December	9,480	1,120	3,534	.888	1.02
Calendar year 1934	79,800	202	4,794	1.20	16.34
January	22,400	3,360	7,798	1.96	2.26
February	26,400	2,230	7,931	1.99	2.07
March	71,200	3,570	22,970	5.77	6.65
April	43,600	4,100	12,370	3.11	3.47
May	42,200	1,120	7,072	1.78	2.05
June	6,620	536	1,791	.450	.50
July	1,230	106	465	.117	.13
August	1,020	82	411	.103	.12
September	420	2	92.3	.023	.03
Water year 1934-35	71,800	2	6,379	1.60	21.74

Black Warrior River at Tuscaloosa, Ala.

Location.- Staff gage, lat. 33°12'55", long. 87°33'56", in T. 21 S., R. 10 W., at Lock 10, in Tuscaloosa. Zero of gage is 82.97 feet above mean sea level.

Drainage area.- 4,830 square miles.

Records available.- August 1928 to September 1935; January 1889 to December 1905, at site a quarter of a mile downstream (only gage heights prior to 1894).

Average discharge.- 15 years (1894-1902, 1928-35), 8,000 second-feet.

Extremes.- Maximum discharge during year, 106,000 second-feet Mar. 7; maximum gage height, 58.8 feet (from graph based on gage readings) Mar. 7; minimum discharge observed, 117 second-feet Sept. 30 (gage height, 18.30 feet).
1889-1905, 1928-35: Maximum discharge, 215,000 second-feet Apr. 18, 1900 (gage height, 67.7 feet); minimum (estimated), 50 second-feet Aug. 26, 1929.
Maximum stage known, that of Apr. 18, 1900.

Remarks.- Records fair. Discharge determined by using rate of change in stage as a factor.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	493	1,550	4,590	15,500	5,550	14,200	48,500	5,220	1,960	1,270	1,360	342
2	439	1,650	5,550	25,200	4,900	11,400	35,000	4,290	1,850	1,550	872	307
3	439	1,650	4,590	19,800	4,590	9,540	25,600	3,710	2,290	1,850	637	298
4	439	2,180	4,000	15,200	4,290	7,700	19,000	4,590	4,590	1,650	539	274
5	702	2,770	3,710	12,000	4,290	58,200	16,800	4,290	4,290	1,270	470	234
6	10,200	2,770	3,570	9,360	3,710	97,700	20,500	19,700	3,710	1,100	450	221
7	9,630	2,290	3,160	7,700	3,430	95,400	24,400	50,900	2,650	1,060	528	221
8	5,550	1,850	2,900	7,330	3,160	66,800	19,600	43,200	2,070	1,010	585	221
9	12,900	1,650	2,770	9,360	3,160	38,800	14,800	30,400	1,650	857	324	165
10	86,500	1,450	2,770	11,000	3,290	23,000	13,200	20,600	1,550	715	281	227
11	88,100	1,360	2,410	10,100	3,570	15,600	20,500	16,300	1,270	663	241	650
12	61,600	1,270	2,180	8,420	3,710	39,000	24,000	12,800	1,130	574	268	829
13	36,900	1,450	2,070	7,330	4,000	73,700	19,100	8,880	1,100	528	342	585
14	19,200	1,360	1,960	6,240	11,200	60,000	13,800	6,600	1,110	843	470	439
15	11,900	1,180	1,850	5,550	28,900	37,600	11,000	5,220	1,450	729	715	409
16	8,920	1,160	1,850	4,900	25,000	22,000	8,770	4,590	5,890	650	1,750	274
17	7,250	1,130	1,850	4,590	20,000	14,800	7,330	4,290	7,700	624	1,550	254
18	4,290	1,100	2,180	4,590	15,800	11,600	5,890	4,290	4,590	516	1,270	290
19	3,430	1,060	2,900	4,900	12,400	9,700	5,550	3,710	3,030	419	1,750	214
20	3,030	1,060	4,290	4,590	10,100	8,400	6,240	3,710	2,070	399	1,550	209
21	2,770	1,360	4,900	4,590	8,060	7,300	13,600	4,290	1,750	376	1,270	221
22	2,530	6,240	4,590	10,400	6,600	6,600	21,100	6,240	1,650	482	981	214
23	2,290	11,500	4,290	17,000	6,600	6,270	16,100	4,590	2,290	333	981	203
24	2,070	10,600	4,290	14,600	6,240	5,550	12,700	3,570	1,750	342	981	203
25	1,850	6,600	4,000	12,100	5,550	5,220	9,740	2,900	1,450	298	1,060	203
26	1,750	4,590	8,930	10,300	12,300	4,900	7,330	2,410	1,270	281	996	203
27	1,650	3,710	12,400	9,120	23,400	5,550	6,240	2,180	1,060	298	904	203
28	1,450	3,430	11,500	8,060	18,300	25,000	6,240	1,850	966	504	814	203
29	1,360	3,030	11,700	7,330	-	26,000	5,890	1,750	981	702	598	192
30	1,270	3,290	11,800	6,660	-	16,600	5,550	1,450	1,060	888	419	134
31	1,360	-	11,100	5,890	-	32,100	-	1,550	-	1,130	378	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	392,512	88,100	439	12,660	2.62	3.02
November	66,290	11,500	1,060	2,876	.595	.66
December	150,650	12,400	1,650	4,860	1.01	1.16
Calendar year 1934	2,190,018	97,100	378	6,022	1.25	16.93
January	299,710	25,200	4,590	9,668	2.00	2.31
February	262,100	28,900	3,160	9,361	1.94	2.02
March	856,230	97,700	4,900	27,620	5.72	6.60
April	464,070	48,500	5,550	15,470	3.20	3.57
May	290,070	50,900	1,450	9,357	1.94	2.24
June	70,177	7,700	966	2,339	.484	.54
July	23,913	1,850	281	771	.160	.18
August	25,334	1,750	241	817	.169	.19
September	8,642	829	134	288	.060	.07
Water year 1934-35	2,929,498	97,700	134	8,026	1.66	22.56

Black Warrior River near Eutaw, Ala.

Location.- Water-stage recorder, lat. 32°49'5", long. 87°49', in SE¼ sec. 6, T. 21 N., R. 3 E., at highway bridge between Eutaw and Wedgworth, 1¼ miles below mouth of Big Creek and 4 miles southeast of Eutaw.

Drainage area.- 5,820 square miles.

Records available.- May 1932 to September 1935.

Extremes.- Maximum discharge during year, 72,700 second-feet Mar. 9; maximum gage height, 52.19 feet Mar. 10; minimum discharge, 299 second-feet Sept. 3C (gage height, 18.68 feet).
1932-35: Maximum discharge, 85,600 second-feet Dec. 16, 1932; maximum gage height, 54.41 feet Dec. 17, 1932; minimum discharge, that of Sept. 30, 1935.

Remarks.- Records good except those above 5,500 second-feet and those estimated, which are fair. Discharge determined by using surface slope as a factor. Discharge estimated Nov. 8-23 and Apr. 6 to May 30 on basis of hydrographic comparison with station at Tuscaloosa.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	799	2,170	4,750	14,800	7,800	21,700	30,800	7,000	2,340	1,580	1,530	635
2	787	2,400	6,350	18,100	6,800	18,000	33,400	6,500	2,530	1,820	1,380	587
3	731	2,510	6,750	22,000	6,300	14,300	35,800	6,000	3,550	1,970	1,140	567
4	688	2,880	6,300	22,700	6,000	10,900	34,900	6,000	5,410	2,050	995	539
5	659	3,430	5,250	21,000	5,620	15,100	31,200	6,000	6,350	1,840	862	522
6	4,590	3,670	5,000	16,400	5,250	27,600	26,000	8,000	5,800	1,600	799	486
7	10,900	3,670	4,630	12,500	4,870	38,400	28,000	14,000	5,000	1,550	731	460
8	11,200	2,800	4,270	11,000	4,630	48,000	28,000	27,000	3,670	1,460	698	436
9	7,050	2,300	3,910	10,300	4,390	65,800	23,000	35,000	2,690	1,310	666	428
10	13,900	1,900	3,670	12,200	4,390	67,400	20,000	37,000	2,250	1,190	616	577
11	29,200	1,700	3,430	12,600	4,390	61,500	20,000	35,000	1,950	1,050	635	764
12	38,200	1,650	3,190	12,000	4,630	53,600	22,000	30,000	1,760	957	688	982
13	44,200	1,700	3,000	10,100	4,770	49,400	24,000	24,000	1,650	907	616	1,010
14	46,000	1,650	2,830	9,150	6,010	50,800	23,000	17,000	1,550	970	656	982
15	47,300	1,500	2,670	7,750	13,800	56,400	19,000	12,000	1,690	1,100	810	709
16	37,500	1,400	2,580	6,600	21,800	59,600	15,000	9,500	2,510	1,100	1,730	645
17	31,600	1,350	2,530	6,400	26,400	55,500	12,000	8,000	6,690	1,020	2,210	577
18	27,000	1,350	2,740	5,700	26,500	48,300	10,000	7,000	7,400	945	2,070	522
19	16,300	1,300	3,310	6,300	22,800	40,600	9,000	7,000	5,980	869	2,050	530
20	7,220	1,300	4,270	6,050	18,700	33,200	9,000	7,000	4,030	775	2,150	513
21	4,630	1,400	5,370	5,300	13,400	28,800	10,000	7,000	2,740	764	1,840	428
22	4,030	2,500	5,400	6,800	10,500	26,200	15,000	7,500	2,230	945	1,570	405
23	3,550	8,000	5,450	13,300	9,300	20,400	18,000	8,000	2,250	869	1,370	413
24	3,190	14,100	5,650	17,600	8,950	15,100	17,000	7,000	2,400	752	1,280	413
25	2,810	13,800	5,500	17,200	8,350	10,900	15,500	5,000	2,130	767	1,280	397
26	2,600	10,600	7,200	15,100	10,000	7,700	13,000	4,200	1,820	688	1,290	389
27	2,420	7,000	12,000	12,700	16,300	9,800	10,000	3,500	1,570	698	1,250	405
28	2,250	5,370	15,800	11,300	21,300	9,920	9,000	3,100	1,400	822	1,160	405
29	1,990	4,750	15,700	9,700	-	19,400	8,000	2,700	1,320	945	995	360
30	1,880	4,390	15,300	8,800	-	24,700	7,500	2,400	1,340	1,120	834	318
31	2,030	-	14,900	8,250	-	24,600	-	2,250	-	1,290	720	318

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	409,404	48,000	688	13,210	2.27	2.62
November	114,540	14,100	-	3,818	.656	.73
December	189,700	15,600	2,530	6,119	1.05	1.21
Calendar year 1934	2,644,957	64,900	644	7,246	1.25	16.88
January	369,900	22,700	5,300	11,930	2.05	2.36
February	303,950	26,500	4,390	10,860	1.87	1.95
March	1,033,820	67,400	7,700	33,350	5.73	6.61
April	577,100	35,800	-	19,240	3.31	3.69
May	361,650	-	2,250	11,670	2.01	2.32
June	94,000	7,400	1,320	3,133	.538	.60
July	35,743	2,050	688	1,153	.198	.23
August	36,641	2,210	616	1,182	.203	.23
September	16,404	1,010	318	547	.094	.10
Water year 1934-35	3,542,852	67,400	318	9,706	1.67	22.65

Sipsey Fork of Mulberry Fork of Black Warrior River near Sipsey, Ala.

Location.- Staff gage, lat. 34°52', long. 87°4', in T. 13 S., R. 5 W., 200 feet below Lieth Creek, 3½ miles northeast of Sipsey, and 5 miles above mouth.

Drainage area.- 1,020 square miles.

Records available.- September 1928 to September 1935.

Extremes.- Maximum discharge during year, 31,200 second-feet Mar. 13; maximum gage height, 40.85 feet Mar. 13, from flood marks; minimum observed discharge, 30 second-feet Sept. 25, 26 (gage height, 3.61 feet).
1928-35: Maximum discharge, 50,400 second-feet Nov. 14, 1929 (gage height, 56.30 feet); minimum, 5 second-feet June 30, 1930 (gage height, 2.99 feet).

Remarks.- Records good except those above 3,000 second-feet, which are fair. Discharge above 3,000 second-feet taken from "loop" rating curves based on rate of change of stage.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	205	835	5,900	1,410	2,580	5,870	835	582	375	125	52
2	96	228	582	5,600	1,240	2,160	3,880	720	450	300	112	49
3	92	260	555	3,380	1,190	1,820	3,170	665	475	375	89	42
4	69	375	638	2,620	1,190	1,520	2,740	955	1,020	270	85	41
5	85	582	610	1,980	1,020	15,500	2,500	835	955	236	83	43
6	159	350	555	1,580	895	20,100	2,500	3,420	555	280	74	41
7	174	241	500	1,360	835	18,500	3,650	9,760	450	184	69	39
8	162	198	500	1,300	775	7,750	2,620	5,720	375	174	62	47
9	3,010	174	450	2,660	775	4,670	1,980	3,390	350	167	54	44
10	11,500	156	425	2,540	1,240	3,480	1,880	2,460	300	154	49	112
11	7,750	159	400	2,110	1,410	3,090	2,540	2,160	290	134	62	55
12	4,550	188	375	1,680	1,190	17,600	2,620	2,200	265	120	66	50
13	2,060	170	300	1,460	1,190	24,400	1,980	1,680	255	108	83	47
14	895	146	300	1,240	3,210	8,500	1,620	1,240	290	104	72	45
15	610	143	295	1,080	5,350	5,040	1,410	1,140	1,270	98	120	49
16	475	138	290	955	3,970	3,560	1,240	1,240	1,980	85	582	48
17	400	138	285	955	3,340	3,150	1,080	1,410	775	83	250	48
18	325	136	450	1,300	2,740	2,700	1,020	955	610	79	400	39
19	280	136	720	1,020	2,240	2,200	955	775	425	69	214	37
20	255	141	1,360	895	1,820	1,920	1,300	1,110	350	69	143	34
21	241	138	1,240	1,260	1,460	1,720	2,680	3,300	300	69	129	31
22	218	1,990	1,080	2,970	1,300	1,460	3,130	2,110	350	69	112	31
23	191	2,630	1,240	3,260	1,300	1,300	2,420	1,360	450	71	106	32
24	170	1,190	1,020	2,660	1,140	1,190	1,820	1,080	350	78	132	36
25	165	775	955	2,110	1,020	1,080	1,410	775	255	78	177	31
26	159	638	955	1,980	3,310	1,080	1,190	638	205	72	125	30
27	143	555	1,020	1,920	4,860	1,080	1,020	555	188	125	100	34
28	132	500	1,190	1,980	3,420	3,410	1,020	500	184	260	85	42
29	125	475	2,460	1,780	-	3,280	1,140	450	255	228	74	42
30	116	665	2,240	1,660	-	2,240	1,140	525	325	170	64	43
31	134	-	1,980	1,520	-	3,540	-	835	-	122	56	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	34,828	11,500	67	1,123	1.10	1.27
November	13,820	2,630	136	461	.452	.50
December	25,805	2,460	285	832	.816	.94
Calendar year 1934	372,483	27,300	58	1,021	1.00	13.59
January	64,735	5,900	895	2,088	2.05	2.36
February	54,840	5,350	775	1,959	1.92	2.00
March	171,620	24,400	1,080	5,536	5.43	6.26
April	63,525	5,870	955	2,117	2.08	2.32
May	54,798	9,760	450	1,768	1.73	1.99
June	14,884	1,980	184	496	.486	.54
July	4,805	375	69	155	.152	.18
August	3,954	582	49	128	.125	.14
September	1,314	112	30	43.8	.043	.05
Water year 1934-35	508,928	24,400	30	1,394	1.37	18.55

Locust Fork of Black Warrior River at Trafford, Ala.

Location.- Water-stage recorder, lat. 33°50', long. 86°45', in T. 14 S., R. 2 W., at highway bridge three-quarters of a mile northwest of Trafford and 1½ miles east of Coaldale.

Drainage area.- 622 square miles.

Records available.- September 1930 to September 1935.

Extremes.- Maximum discharge during year ending Sept. 30, 1934 (revised), 22,000 second-feet Mar. 4 (gage height, 33.91 feet); minimum discharge observed, 14 second-feet Oct. 30, Nov. 1; minimum gage height, 2.47 feet Nov. 1. Maximum discharge during year ending Sept. 30, 1935, 28,100 second-feet Oct. 11 (gage height, 38.95 feet); minimum, 14 second-feet Sept. 30 (gage height, 2.71 feet).
1930-35: Maximum discharge, that of Oct. 11, 1934; minimum, 8 second-feet Oct. 2, 19-21, 1931 (gage height, 2.39 feet).

Remarks.- Records fair.

Rating tables, water years 1933-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1, 1933, to Jan. 26, 1934

2.4	8	4.0	446	14.0	5,110
2.5	16	5.0	775	16.0	6,310
2.6	34	6.0	1,120	18.0	7,710
2.7	58	7.0	1,520	21.0	10,100
2.8	85	8.0	1,960	22.0	11,000
3.0	142	10.0	2,940		
3.5	291	12.0	4,010		

Table for Jan. 27, 1934, to Sept. 30, 1935

2.7	12	3.6	307	14.0	5,110
2.8	27	4.0	434	17.0	6,910
2.9	47	5.0	761	20.0	9,000
3.0	73	6.0	1,110	23.0	11,400
3.1	106	8.0	1,960	28.0	15,900
3.2	145	10.0	2,940	34.0	22,100
3.4	233	12.0	4,010	39.0	28,100

Discharge, in second-feet, water year October 1933 to September 1934

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	133	14	46	1,860	300	1,350	1,310	282	65	41[illegible]	282	329
2	96	20	46	2,000	361	1,240	1,070	272	60	37[illegible]	233	272
3	72	16	96	1,160	373	12,700	931	252	68	46[illegible]	198	229
4	130	23	74	1,060	336	18,600	812	237	832	51[illegible]	167	342
5	93	148	102	1,440	304	7,360	728	220	1,520	25[illegible]	158	795
6	63	673	159	1,820	286	3,790	645	224	744	215	137	367
7	56	246	510	8,600	272	2,690	579	293	1,020	1,68[illegible]	110	256
8	41	145	338	4,910	260	2,050	546	290	1,270	3,20[illegible]	389	207
9	34	105	216	2,940	260	1,690	514	245	897	2,69[illegible]	3,550	176
10	27	85	168	1,920	252	1,390	482	215	621	2,16[illegible]	1,190	158
11	27	69	145	1,400	249	1,190	418	333	4,130	1,35[illegible]	466	145
12	25	66	119	1,280	307	1,000	373	264	3,040	1,11[illegible]	2,340	122
13	29	53	151	1,600	450	897	339	220	2,520	79[illegible]	3,220	110
14	27	39	128	1,240	450	795	320	202	1,310	56[illegible]	1,480	193
15	27	34	142	1,020	392	711	317	268	863	45[illegible]	662	185
16	58	34	125	880	354	645	333	252	645	37[illegible]	418	*160
17	82	30	122	775	329	596	514	307	498	304	320	*140
18	69	46	154	673	310	546	563	272	466	27[illegible]	668	*120
19	58	44	291	607	307	1,270	645	220	629	39[illegible]	546	*110
20	53	41	446	574	307	2,790	829	185	399	39[illegible]	662	*100
21	44	41	384	510	293	1,910	645	158	300	28[illegible]	3,210	*90
22	44	128	291	478	282	1,430	482	149	252	211	1,680	*80
23	41	110	231	446	279	1,190	434	126	224	17[illegible]	863	73
24	29	119	198	400	268	1,040	434	99	189	14[illegible]	1,430	68
25	18	85	180	368	350	1,350	514	126	163	304	1,380	68
26	16	85	216	368	3,930	1,850	399	110	141	2,62[illegible]	1,040	65
27	16	74	261	351	3,090	5,660	351	103	129	1,33[illegible]	728	50
28	18	66	246	342	1,910	3,900	336	103	122	711	533	52
29	18	58	231	323	-	2,590	317	86	180	56[illegible]	1,890	76
30	14	53	195	300	-	1,910	286	80	1,020	482	744	141
31	14	-	195	272	-	1,550	-	73	-	41[illegible]	434	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	1,472	133	14	47.5	0.076	0.09
November	2,750	673	14	91.7	.147	.16
December	6,206	510	46	200	.322	.37
Calendar year 1933	261,087	10,500	14	715	1.15	15.61
January	41,917	8,600	272	1,352	2.17	2.50
February	16,861	3,930	249	602	.968	1.01
March	87,680	18,600	546	2,828	4.55	5.25
April	16,466	1,310	286	549	.883	.99
May	6,266	333	73	202	.325	.37
June	24,517	4,130	60	817	1.31	1.46
July	25,012	3,200	149	807	1.30	1.50
August	31,128	3,550	110	1,004	1.61	1.86
September	5,270	795	50	176	.283	.32
Water year 1933-34	265,554	18,600	14	728	1.17	15.88

*Estimated.
Note.- Records for water year 1933-34 supersede those published in Water-Supply Paper 757.

Locust Fork of Black Warrior River at Trafford, Ala.

(Continued)

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	129	282	2,240	3,290	662	1,780	4,670	829	202	126	68	33
2	110	354	1,310	3,290	612	1,510	2,990	662	202	154	57	33
3	80	342	965	2,490	579	1,270	2,140	563	272	145	52	29
4	70	774	931	1,910	563	1,110	2,640	563	812	149	43	29
5	209	863	812	1,510	514	10,400	2,050	829	645	160	39	26
6	2,260	482	695	1,310	466	13,600	4,930	1,760	358	163	33	26
7	1,820	358	629	1,150	434	11,200	4,720	10,600	268	165	31	21
8	897	317	579	1,070	402	5,450	2,940	5,060	237	133	31	21
9	2,260	290	530	1,430	402	3,510	2,050	2,640	233	103	26	22
10	21,200	276	482	1,390	418	2,590	1,640	1,780	202	80	24	63
11	25,000	354	434	1,190	434	2,140	3,980	1,600	180	70	24	96
12	10,200	329	389	1,040	392	12,100	4,170	1,600	171	68	26	70
13	3,680	282	358	931	434	14,200	2,540	1,110	164	83	70	45
14	2,340	268	348	846	3,310	5,450	1,870	863	202	93	96	41
15	1,690	249	336	761	5,630	3,350	1,510	728	1,120	83	122	39
16	1,310	233	317	711	3,790	2,490	1,230	629	1,650	65	154	41
17	1,040	229	333	728	2,840	2,050	1,040	744	612	52	103	31
18	863	215	498	965	2,140	1,780	897	629	434	45	103	35
19	778	211	629	795	1,730	1,470	812	482	313	37	171	29
20	711	193	695	678	1,430	1,270	1,320	402	256	43	211	27
21	629	193	678	795	1,190	1,110	4,650	380	215	45	167	26
22	546	1,420	662	2,050	1,040	1,000	4,130	367	224	50	272	22
23	482	2,160	678	2,140	1,110	863	2,640	333	290	39	154	21
24	399	1,190	629	1,730	1,070	778	1,600	320	215	39	215	21
25	367	795	696	1,430	931	728	1,430	293	167	41	307	22
26	339	629	778	1,270	3,420	695	1,150	268	145	35	126	22
27	313	579	1,040	1,150	3,510	778	1,010	241	133	39	73	22
28	282	530	1,070	1,000	2,340	2,720	1,000	220	122	73	60	20
29	260	498	1,230	863	-	2,660	1,310	198	114	52	50	20
30	245	1,440	1,230	795	-	1,510	1,310	180	114	57	43	15
31	249	-	1,310	728	-	2,590	-	220	-	57	39	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	80,758	25,000	70	2,605	4.19	4.83
November	16,335	2,160	193	544	.875	.98
December	23,411	2,240	317	755	1.21	1.40
Calendar year 1934	375,630	25,000	50	1,029	1.65	22.47
January	41,436	3,290	678	1,337	2.15	2.48
February	41,793	5,630	392	1,493	2.40	2.50
March	114,052	14,200	695	3,679	5.91	6.81
April	70,359	4,930	812	2,345	3.77	4.21
May	37,093	10,600	180	1,197	1.92	2.21
June	10,262	1,650	114	342	.550	.61
July	2,584	185	35	83.4	.134	.15
August	2,990	307	24	96.5	.155	.18
September	968	96	15	32.3	.052	.06
Water year 1934-35	442,041	25,000	15	1,211	1.95	26.42

Pascagoula River at Merrill, Miss.

Location.- Water-stage recorder, lat. 30°59', long. 88°44', in T. 1 S., R. 7 W. St. Stephens base and meridian, at bridge on State Highway 24 half a mile below confluence of Leaf and Chickasawhay Rivers and half a mile west of Merrill. Prior to Dec. 6, 1934, staff gage at same site and datum. Zero of gage is 24.1 feet above mean sea level.

Drainage area.- 6,600 square miles.

Records available.- December 1930 to September 1935.

Extremes.- Maximum discharge during year, 89,700 second-feet Mar. 12, 13; maximum gage height, 25.83 feet Mar. 12; minimum discharge, 1,400 second-feet Nov. 19, Sept. 30; minimum gage height, 3.23 feet Sept. 30.
1930-35: Maximum discharge, that of Mar. 12, 13, 1935; minimum, 1,000 second-feet Oct. 30, Nov. 4, 8-12, 1931 (gage height, 2.70 feet).
Maximum stage known, about 31 feet July 9, 1916 (discharge not determined).

Remarks.- Records good.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,250	1,540	21,400	19,700	9,400	21,900	14,000	20,600	4,990	2,500	2,920	2,000
2	2,750	1,470	20,800	21,600	7,750	19,500	18,100	18,300	4,800	3,790	2,660	1,840
3	2,580	1,610	18,500	23,000	6,920	16,900	19,900	14,900	5,090	4,150	2,410	1,680
4	2,250	3,350	15,800	23,000	6,370	14,200	20,600	12,600	7,030	4,150	2,170	1,610
5	2,080	3,610	13,800	22,100	6,070	13,000	19,300	10,600	8,540	3,880	2,000	1,540
6	2,410	3,530	12,000	21,000	5,780	20,600	17,100	9,250	7,270	3,790	1,920	1,610
7	2,580	3,180	10,200	19,700	5,480	28,000	16,000	14,500	6,270	3,530	1,840	1,680
8	2,410	3,000	8,540	17,900	5,280	35,000	16,000	17,500	5,680	3,190	1,760	1,680
9	2,170	2,750	7,750	15,600	5,190	41,800	15,400	18,500	5,780	3,000	1,680	1,680
10	3,200	2,500	7,150	11,800	5,090	49,300	14,400	19,100	4,890	3,190	1,540	1,760
11	9,860	2,170	6,590	9,100	5,380	72,300	15,200	19,700	4,150	2,830	1,540	1,920
12	14,000	1,920	6,170	8,270	6,480	89,700	22,800	20,100	3,700	2,500	1,540	2,410
13	15,400	1,760	5,780	7,750	8,270	89,700	25,500	19,900	3,350	2,250	1,540	2,660
14	14,700	1,610	5,480	7,150	13,700	82,900	25,500	18,700	3,180	2,170	2,000	2,500
15	10,800	1,540	5,190	6,480	18,900	72,300	24,200	17,300	3,090	2,410	2,660	2,330
16	7,390	1,540	4,990	5,970	21,400	64,700	21,600	15,800	3,000	2,580	2,750	2,080
17	5,580	1,470	4,800	5,680	22,300	56,300	19,500	12,600	3,000	2,080	2,830	1,840
18	4,430	1,470	5,190	5,680	21,900	49,300	17,500	7,880	3,000	1,970	3,260	1,680
19	3,700	1,400	7,850	5,970	20,800	43,700	16,000	6,170	3,000	1,840	4,430	2,080
20	3,090	3,670	8,680	5,870	19,100	36,400	15,600	6,700	2,920	1,760	4,990	3,440
21	2,660	22,200	8,540	5,870	16,600	30,900	18,300	9,250	2,830	1,760	4,800	2,830
22	2,410	32,300	7,880	12,300	13,500	26,800	18,100	10,300	2,750	1,760	5,090	3,000
23	2,170	40,000	7,270	17,500	9,850	24,000	15,600	13,300	2,660	1,760	4,800	2,830
24	2,080	39,200	6,810	19,500	7,880	20,600	12,100	14,700	2,500	1,630	4,150	2,580
25	1,920	35,700	6,270	19,900	7,150	15,800	9,550	15,100	2,330	1,680	3,700	2,330
26	1,840	31,300	6,270	19,700	12,100	11,400	8,140	15,100	2,250	1,840	3,180	2,170
27	1,760	28,300	7,030	19,100	21,000	9,400	7,270	13,100	2,170	1,920	2,830	1,920
28	1,680	25,200	7,900	18,300	22,600	8,400	7,750	9,400	2,170	2,410	2,660	1,680
29	1,610	22,600	12,300	16,900	-	7,750	11,800	6,270	2,250	3,000	2,660	1,540
30	1,540	21,400	14,900	15,400	-	7,510	18,300	5,280	2,330	3,260	2,500	1,470
31	1,540	-	17,500	12,800	-	8,960	-	5,280	-	3,000	2,250	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	134,840	15,400	1,540	4,350	0.659	0.76
November	343,290	40,000	1,400	11,440	1.73	1.93
December	299,330	21,400	4,800	9,656	1.46	1.68
Calendar year 1934	2,812,800	43,800	1,400	7,706	1.17	15.83
January	440,590	23,000	5,680	14,210	2.15	2.48
February	332,240	22,600	5,090	11,870	1.80	1.87
March	1,089,020	89,700	7,510	35,130	5.32	6.13
April	501,110	25,500	7,270	16,700	2.53	2.82
May	417,780	20,600	5,280	13,480	2.04	2.35
June	116,970	8,540	2,170	3,899	.591	.66
July	81,560	4,150	1,680	2,631	.399	.46
August	87,060	5,090	1,540	2,808	.425	.49
September	62,370	3,440	1,470	2,079	.315	.35
Water year 1934-35	3,906,160	89,700	1,400	10,700	1.62	21.98

Pearl River at Edinburg, Miss.

Location.- Wire-weight gage, lat. 32°47', long. 89°20', in T. 11 N., R. 9 E. Choctaw meridian, at bridge on State Highway 16 in Edinburg. Prior to July 24, 1935, staff gage at same site and datum. Zero of gage is 341.57 feet above mean sea level.

Drainage area.- 898 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 31,400 second-feet Mar. 8 (gage height, 26.20 feet); minimum observed, 18 second-feet Sept. 2 (gage height, 2.14 feet).
1928-35: Maximum discharge, that of Mar. 8, 1935; minimum, 6 second-feet Oct. 27, 1931; minimum gage height, 1.63 feet Sept. 8, 1929.
Maximum stage known, 29.0 feet Mar. 1, 1902 (discharge not determined).

Remarks.- Records good.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

Table for Oct. 1 to July 27								Table for July 28 to Sept. 30			
2.4	23	6.0	451	19.0	5,080	25.2	17,600	2.1	17	3.0	85
2.6	34	7.0	631	21.0	6,910	25.4	18,800	2.2	20	3.2	105
2.8	49	9.0	1,040	21.7	7,750	25.6	20,400	2.3	24	3.4	127
3.0	68	11.0	1,500	22.4	8,800	25.7	21,400	2.4	29	3.6	149
3.5	120	13.0	2,060	23.3	10,600	25.9	24,400	2.5	36	3.8	171
4.0	176	15.0	2,810	24.2	13,300	26.0	26,400	2.6	45	4.0	195
5.0	301	17.0	3,760	24.9	16,100	26.2	31,400	2.8	65	4.5	256

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	104	138	1,350	2,450	2,060	1,170	2,410	2,260	770	249	138	20
2	93	200	1,350	2,610	1,970	1,080	2,730	2,410	538	200	122	19
3	78	262	1,300	3,310	1,700	935	2,650	1,900	502	249	105	139
4	66	212	1,240	3,460	1,520	830	3,220	1,810	631	212	90	32
5	56	188	1,130	3,040	1,350	4,150	3,820	1,810	538	186	75	70
6	61	249	1,020	2,690	1,280	10,100	4,120	3,770	402	164	65	160
7	83	212	914	2,340	1,170	21,000	4,180	4,920	288	188	51	90
8	78	176	810	2,230	1,080	31,400	3,880	5,750	556	200	39	55
9	73	176	710	2,200	1,150	22,900	3,510	5,930	485	176	32	49
10	188	164	631	2,090	1,040	16,600	3,820	6,310	402	126	27	116
11	249	153	593	1,900	935	12,100	6,210	6,210	370	73	24	75
12	153	136	520	1,620	770	11,200	7,510	5,400	356	66	23	75
13	109	104	416	1,420	710	9,600	8,200	4,360	301	60	32	70
14	98	88	288	1,300	998	8,650	8,200	3,560	288	68	44	53
15	93	73	200	1,240	1,240	8,200	7,390	2,730	502	67	40	40
16	98	66	188	1,130	1,440	7,630	6,210	1,930	451	64	75	33
17	109	58	188	956	1,350	6,710	5,000	1,620	502	60	138	27
18	109	51	275	810	1,170	5,570	4,000	1,500	468	53	90	30
19	98	47	402	830	1,020	4,640	2,900	1,220	418	37	59	116
20	88	58	468	750	893	3,710	2,120	2,130	370	29	75	231
21	78	544	468	1,080	750	2,810	2,160	2,610	356	27	122	183
22	68	2,380	434	1,840	790	2,120	2,120	2,770	314	26	127	105
23	56	1,990	418	2,260	830	1,780	2,120	2,300	249	29	85	75
24	48	1,720	418	2,230	851	1,540	1,810	1,700	176	26	70	51
25	45	1,260	451	1,990	830	1,350	1,500	1,400	153	24	80	40
26	44	998	1,840	1,870	1,190	1,240	1,300	1,190	126	28	75	40
27	46	872	2,160	1,990	1,240	1,280	1,350	1,040	104	130	64	38
28	45	956	2,770	2,370	1,220	1,330	1,040	83	256	43	36	
29	43	1,040	2,940	2,570	-	1,040	1,810	1,020	73	256	25	30
30	43	1,260	2,650	2,490	-	914	2,300	998	98	256	20	28
31	78	-	2,260	2,230	-	2,020	-	935	-	171	20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	2,679	249	43	86.4	0.096	0.11
November	15,833	2,380	47	528	.588	.66
December	30,604	2,940	188	994	1.11	1.28
Calendar year 1934	272,620	10,300	20	747	0.832	11.30
January	61,296	3,460	750	1,977	2.20	2.54
February	32,447	2,060	710	1,159	1.29	1.34
March	205,489	31,400	830	6,629	7.38	8.51
April	109,880	8,200	1,300	3,663	4.08	4.55
May	84,533	6,310	935	2,727	3.04	3.50
June	10,870	770	73	362	.403	.45
July	3,758	256	24	121	.135	.16
August	2,075	138	20	66.9	.074	.09
September	2,126	231	19	70.9	.079	.09
Water year 1934-35	561,790	31,400	19	1,539	1.71	23.28

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Pearl River at Jackson, Miss.

Location.- Water-stage recorder, lat. 32°17'20", long. 90°10'45", in T. 5 N., R. 1 E. Choctaw meridian, at bridge on U. S. Highway 80 in Jackson. Zero of gage is 234.96 feet above mean sea level.

Drainage area.- 3,100 square miles.

Records available.- June 1901 to December 1913, August 1928 to September 1935 (only gage heights prior to 1903).

Average discharge.- 16 years (1903-12, 1928-35), 3,750 second-feet.

Extremes.- Maximum discharge during year, 56,700 second-feet Mar. 12 (gage height, 35.18 feet); minimum, 245 second-feet Aug. 16 (gage height, 2.08 feet,. 1901-13, 1928-35: Maximum known discharge, 60,000 second-feet Dec. 19, 1932 (gage height, 35.2 feet); maximum gage height, 37.20 feet Apr. 1, 1903 (discharge not determined); minimum discharge, 80 second-feet Oct. 28 to Nov. 2, 1904; minimum gage height, 0.20 foot Nov. 4-5, 1911.

Remarks.- Records good.

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	766	568	6,800	11,200	7,740	3,500	6,200	5,500	2,560	1,010	730	282
2	732	580	6,680	11,200	7,080	3,700	6,630	5,680	2,360	1,560	712	262
3	715	433	6,570	11,200	6,500	3,750	6,900	5,720	2,240	1,600	590	339
4	630	407	6,370	11,000	6,040	4,320	7,100	5,810	2,120	1,120	502	345
5	613	514	6,070	10,600	5,330	7,440	7,200	5,870	1,880	1,040	440	273
6	580	698	5,630	10,200	4,360	11,600	7,380	6,710	1,800	1,080	425	276
7	547	870	5,100	9,510	3,600	19,200	7,810	8,620	1,920	1,120	392	348
8	498	923	4,400	9,030	3,120	24,400	8,300	10,700	1,920	1,010	356	386
9	705	888	3,660	8,670	2,890	26,400	8,780	12,900	1,640	870	342	395
10	1,540	800	3,050	8,040	2,640	31,000	9,400	13,600	1,400	765	322	425
11	1,430	715	2,590	7,330	2,640	43,400	10,900	14,000	1,400	695	307	410
12	1,390	647	2,220	6,680	2,760	54,400	11,900	14,200	1,520	642	555	345
13	1,280	580	1,980	6,200	3,020	54,400	12,400	14,400	1,520	608	350	395
14	1,360	547	1,740	5,780	3,650	50,300	13,000	14,200	2,360	555	282	608
15	1,390	514	1,580	5,140	4,150	44,200	14,000	13,600	2,240	520	262	660
16	1,360	498	1,430	4,360	4,580	39,000	14,800	12,400	1,480	470	254	608
17	1,360	465	1,280	3,550	4,940	33,800	15,600	11,200	1,290	455	310	520
18	1,320	449	1,280	2,940	5,200	30,000	16,200	9,900	1,400	425	296	455
19	1,210	417	1,280	2,640	5,200	26,400	16,200	8,300	1,440	410	392	410
20	958	539	1,390	2,400	5,200	22,800	15,000	8,160	1,220	386	502	371
21	766	1,800	1,580	4,090	4,800	19,700	13,800	7,810	1,180	368	538	353
22	664	4,870	1,860	6,800	3,800	17,200	12,300	7,680	1,440	356	555	350
23	580	5,380	1,980	8,110	2,890	14,800	10,800	8,090	1,120	345	455	470
24	530	5,950	1,940	9,110	2,480	12,800	9,220	8,250	1,040	339	470	572
25	498	6,250	2,100	9,670	2,160	10,900	7,680	8,020	975	339	425	520
26	465	6,340	6,330	9,750	2,520	9,040	6,510	7,880	888	362	374	440
27	433	6,370	7,180	9,590	2,600	7,150	5,750	7,560	818	374	386	374
28	411	6,540	8,250	9,350	3,020	5,810	5,040	6,850	800	313	410	327
29	391	6,640	9,270	9,190	-	4,120	4,880	5,930	748	316	389	296
30	382	6,720	10,100	8,880	-	3,160	5,200	4,440	712	368	345	268
31	376	-	10,600	8,390	-	3,760	-	2,960	-	660	313	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	25,880	1,540	376	835	0.269	0.31
November	68,912	6,720	407	2,297	.741	.83
December	132,290	10,600	1,280	4,267	1.38	1.59
Calendar year 1934	940,180	18,600	376	2,576	.831	11.30
January	240,600	11,200	2,400	7,761	2.50	2.88
February	114,910	7,740	2,160	4,104	1.32	1.38
March	642,450	54,400	3,160	20,720	6.68	7.70
April	296,880	16,200	4,880	9,896	3.19	3.56
May	276,920	14,400	2,960	8,933	2.88	3.32
June	45,431	2,560	712	1,514	.488	.54
July	20,571	1,600	313	664	.214	.25
August	12,981	730	254	419	.135	.16
September	12,083	660	262	403	.130	.14
Water year 1934-35	1,889,908	54,400	254	5,178	1.67	22.66

Pearl River near Columbia, Miss.

Location.- Water-stage recorder, lat. 31°14', long. 89°51', in T. 3 N., R. 18 W., at bridge on State Highway 24, 1 mile west of Columbia. Prior to May 26, 1934, chain gage with datum 0.37 foot higher (revised) at bridge 1 mile downstream.

Drainage area.- 5,690 square miles.

Records available.- May 1934 to September 1935; August 1928 to May 1934 at site 1 mile downstream.

Extremes.- Maximum discharge during year, 62,500 second-feet Mar. 18 (gage height, 24.88 feet); minimum discharge, 1,080 second-feet Sept. 26; minimum gage height, 2.56 feet Nov. 1.
1928-35: Maximum discharge, that of Mar. 18, 1935; minimum, 788 second-feet Oct. 1, 1931 (gage height, 1.38 feet, former site and datum).

Remarks.- Records good.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 15-16)

Table for Oct. 1 to Mar. 14

2.5	1,150	8.0	6,720	20.0	31,600
3.0	1,500	9.0	8,060	21.0	35,000
3.5	1,850	10.0	9,500	22.0	39,000
4.0	2,250	12.0	12,500	23.0	44,000
4.5	2,700	15.0	18,500	24.0	50,000
5.0	3,200	16.0	20,800	24.2	51,400
6.0	4,300	18.0	25,800		

Table for Mar. 15 to Sept. 30

2.7	1,080	9.0	7,350	18.0	25,500
3.0	1,280	10.0	8,720	19.0	28,500
3.5	1,660	11.0	10,300	20.0	32,100
4.0	2,060	12.0	12,000	21.0	36,500
5.0	2,940	13.0	13,800	22.0	42,200
6.0	3,900	15.0	17,900	23.0	48,200
7.0	4,940	16.0	20,200	24.0	55,200
8.0	6,090	17.0	22,800	24.9	62,500

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,520	1,220	11,200	21,300	11,600	5,130	12,400	10,300	8,860	2,850	1,380	1,280
2	2,170	1,220	11,300	19,600	11,300	5,010	13,600	9,000	7,220	3,030	1,350	1,280
3	1,930	1,430	10,600	18,100	10,800	5,250	14,600	8,440	5,850	2,760	1,420	1,240
4	1,740	2,340	9,800	17,100	10,200	5,370	13,600	8,580	5,270	3,300	1,820	1,320
5	1,640	2,090	9,500	16,100	9,500	6,150	13,100	8,720	5,050	4,100	1,820	1,350
6	1,570	1,640	9,200	15,100	8,760	15,700	12,400	9,460	4,720	3,500	1,660	1,280
7	1,500	1,400	8,480	14,100	7,920	26,100	12,700	14,600	4,500	2,940	1,500	1,180
8	1,430	1,290	7,780	13,500	7,110	36,200	14,000	19,300	4,300	2,580	1,380	1,140
9	1,770	1,320	7,110	13,300	6,330	45,200	15,200	21,200	4,000	2,490	1,320	1,110
10	4,190	1,460	6,460	13,900	5,970	49,400	15,400	21,700	4,000	2,400	1,280	1,180
11	4,890	1,600	5,610	14,100	6,210	51,400	17,000	21,200	3,800	2,220	1,280	1,540
12	5,130	1,600	5,010	13,100	6,720	51,400	18,600	20,000	3,400	2,060	1,580	1,460
13	4,190	1,570	4,530	11,900	8,200	49,400	18,100	18,800	3,120	1,940	1,540	1,380
14	3,420	1,500	4,080	10,700	8,900	47,600	17,500	17,500	3,120	1,900	1,460	1,380
15	2,800	1,430	3,750	9,500	10,700	48,200	17,500	16,600	3,120	2,020	1,740	1,460
16	2,520	1,360	3,420	8,620	11,900	52,400	17,700	16,200	3,400	1,860	2,220	1,380
17	2,340	1,320	3,200	7,780	11,300	60,800	17,700	16,200	3,900	1,700	2,310	1,320
18	2,340	1,290	3,100	6,980	9,800	61,600	17,200	16,000	4,000	1,580	2,060	1,380
19	2,250	1,260	3,200	6,210	8,620	58,400	16,800	16,000	3,600	1,500	2,060	1,420
20	2,210	1,460	3,100	5,610	7,780	53,800	17,500	16,800	3,120	1,460	3,030	1,380
21	2,170	2,220	3,100	5,610	7,370	49,600	17,900	19,000	3,030	1,460	2,580	1,320
22	2,090	6,010	3,000	9,970	7,110	46,400	17,900	22,200	2,940	1,500	2,580	1,280
23	1,930	11,900	3,000	15,300	6,850	42,800	18,100	24,400	2,760	1,500	2,220	1,240
24	1,740	14,500	3,100	17,900	6,210	39,200	18,100	24,400	2,670	1,460	2,400	1,140
25	1,600	12,900	3,310	18,500	5,730	35,500	17,900	22,200	2,670	1,380	2,580	1,110
26	1,500	10,200	3,420	17,500	5,610	32,500	17,200	18,300	2,490	1,350	2,140	1,110
27	1,400	8,900	5,770	15,900	5,850	29,200	16,200	14,000	2,310	1,380	1,860	1,180
28	1,320	8,760	11,200	14,500	5,250	26,400	14,200	12,000	2,220	1,420	1,700	1,240
29	1,290	9,050	15,500	13,300	-	23,300	12,400	11,100	2,220	1,500	1,500	1,210
30	1,260	9,950	18,900	12,500	-	19,700	11,100	10,600	2,220	1,660	1,350	1,140
31	1,220	-	21,000	12,000	-	15,900	-	9,940	-	1,620	1,320	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	70,070	5,130	1,220	2,260	0.397	0.46
November	124,190	14,500	1,220	4,140	.728	.81
December	221,730	21,000	3,000	7,153	1.26	1.45
Calendar year 1934	1,740,240	26,700	1,220	4,768	.838	11.36
January	409,580	21,300	5,610	13,210	2.32	2.68
February	229,600	11,900	5,250	8,200	1.44	1.50
March	1,095,010	61,600	5,010	35,320	6.21	7.16
April	473,600	18,600	11,100	15,790	2.78	3.10
May	494,740	24,400	8,440	15,960	2.80	3.23
June	113,970	8,860	2,220	3,799	.668	.75
July	64,420	4,100	1,350	2,078	.365	.42
August	56,440	3,030	1,280	1,821	.320	.37
September	38,430	1,540	1,110	1,281	.225	.25
Water year 1934-35	3,391,780	61,600	1,110	9,293	1.63	22.18

Strong River at Dlo, Miss.

Location.- Staff gage, lat. 31°59', long. 89°54', in T. 2 N., R. 4 E. Choctaw meridian, half a mile above Gulf & Ship Island Railroad bridge and three-quarters of a mile southeast of Dlo.

Drainage area.- 361 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge during year, 22,900 second-feet Mar. 7 (gage height, 28.0 feet, from flood marks); minimum observed, 24 second-feet at times in August and September (gage height, 2.34 feet).
1928-35: Maximum discharge, that of Mar. 7, 1935; minimum, 16 second-feet Aug. 8, 9, 1933 (gage height, 2.25 feet).

Remarks.- Records fair.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)

2.3	18	3.8	757	8.0	2,410	21.0	8,460
2.4	32	4.0	903	9.0	2,780	22.0	9,300
2.5	49	4.2	1,030	11.0	3,580	23.0	10,500
2.6	71	4.4	1,150	13.0	4,380	23.5	11,300
2.7	104	4.6	1,250	14.0	4,800	24.0	12,200
2.8	145	4.8	1,340	15.0	5,250	25.0	14,600
3.0	238	5.0	1,420	16.0	5,700	26.0	17,200
3.2	345	5.5	1,600	18.0	6,700	27.0	19,900
3.4	466	6.0	1,770	19.0	7,200	28.0	22,900
3.6	603	7.0	2,080	20.0	7,800		

Discharge, in second-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	47	46	832	1,990	318	224	1,090	640	334	163	40	24
2	40	42	435	1,640	228	204	903	567	233	168	39	26
3	34	39	435	1,420	214	204	567	532	224	264	35	29
4	34	39	435	1,200	209	259	466	466	195	243	32	26
5	34	39	404	716	200	5,000	363	532	168	214	29	28
6	34	34	340	398	190	9,200	327	3,320	150	161	26	25
7	35	32	214	363	186	20,500	1,670	5,410	133	158	25	25
8	350	35	129	318	186	11,800	1,530	5,380	116	129	24	26
9	567	34	124	296	233	7,000	1,340	4,110	112	109	26	28
10	532	32	137	274	219	5,470	832	2,450	104	81	24	31
11	351	32	129	264	219	4,380	1,760	1,420	108	69	24	133
12	280	35	112	243	243	3,900	2,480	435	97	60	26	312
13	204	32	112	228	734	4,420	2,980	323	91	51	29	228
14	101	28	124	219	1,680	3,820	3,100	259	97	44	28	124
15	78	28	137	168	2,250	2,590	2,780	186	108	40	55	56
16	67	26	120	181	1,710	1,500	2,480	168	97	37	1,190	51
17	60	26	137	172	1,420	678	2,180	154	91	35	1,070	46
18	53	31	150	163	1,250	603	1,740	145	88	35	136	40
19	47	34	158	168	1,200	532	757	145	84	32	104	39
20	44	80	168	158	1,030	392	274	4,160	78	32	435	34
21	40	2,270	181	1,090	832	351	285	3,940	78	29	868	31
22	35	2,670	172	2,920	532	404	285	2,440	71	32	868	29
23	32	2,080	172	2,740	228	312	243	1,770	71	35	640	26
24	29	1,570	158	2,050	188	264	233	1,300	67	42	168	28
25	32	1,420	192	1,740	186	243	233	404	62	44	53	28
26	32	1,300	2,630	1,300	214	224	316	274	64	317	44	28
27	31	1,200	3,280	1,030	228	214	435	285	74	312	37	28
28	62	1,030	4,670	903	238	209	567	306	84	154	31	26
29	53	903	4,220	678	-	195	832	398	94	60	29	26
30	49	1,030	3,500	532	-	200	1,030	466	91	47	26	25
31	46	-	2,670	466	-	219	-	567	-	44	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off in inches
October	3,433	567	29	111	0.307	0.35
November	16,197	2,670	26	540	1.50	1.67
December	26,677	4,670	112	861	2.39	2.76
Calendar year 1934	124,295	6,730	26	341	.945	12.81
January	26,030	2,920	158	840	2.33	2.69
February	16,563	2,250	186	592	1.64	1.71
March	85,511	20,500	195	2,758	7.64	8.81
April	33,980	3,100	233	1,133	3.14	3.50
May	42,952	5,410	145	1,386	3.84	4.43
June	3,464	334	62	115	.319	.36
July	3,253	317	29	105	.291	.34
August	6,185	1,190	24	200	.554	.64
September	1,606	312	24	53.5	.148	.17
Water year 1934-35	265,851	20,500	24	728	2.02	27.43

In addition to the records of stream flow obtained at gaging stations and reported in the preceding pages, measurements of flow were made at a number of other points, as shown by the following table:

Miscellaneous discharge measurements in South Atlantic slope and eastern Gulf of Mexico basins during the year ending September 30, 1935

Date	Stream	Tributary to-	Locality	Discharge (sec.-ft.)
Dec. 7	Rocky Bluff Swamp	Black River....	At road crossing 1½ miles above White's Pond, near Rocky Bluff, S. C.	4.61
Oct. 10	Caw Caw Creek.... River	North Fork of Edisto River.	At old dam site 1 mile upstream from U. S. Highway 178 crossing, S. C.	27.3
Apr. 3	Econlockhatchee/	St. Johns River	Near Oviedo, Fla.	8.65
3	.....do.....	.....do.....	Near Chuluota, Fla.	15.2
May 22	.....do.....	.....do.....	.....do.....	13.7
June 22	.....do.....	.....do.....	.....do.....	9.12
July 12	.....do.....	.....do.....	.....do.....	23.7
Aug. 2	.....do.....	.....do.....	.....do.....	54.3
Sept.18	.....do.....	.....do.....	.....do.....	698
Apr. 3	Deep Creek.....	.....do.....	Near Osteen, Fla.	.09
Dec. 6	Rock Spring.....	Wekiva River...	Near Apopka, Fla.	62.8
Jan. 30	.....do.....	.....do.....	.....do.....	62.8
Apr. 13	Alexander Spring.	St. Johns River	Near Astor, Fla.	162
12	Silver Glen Spring	Lake George....	.....do.....	129
15	Juniper Spring...	.....do.....	.....do.....	8.94
Dec. 16	Fern Hammock Spring.....	.....do.....	.....do.....	15.5
Apr. 12	Juniper Spring Creek.....	.....do.....	.....do.....	143
13	Salt Spring.....	.....do.....	Lake Kerr, Fla.	77.3
Aug. 1	Moultrie Creek...	Matanzas River.	Near St. Augustine, Fla.	.81
June 22	Twelve mile Creek	Caloosahatchee River.	Near Fort Myers.	272
July 17	.....do.....	.....do.....	.....do.....	93.2
Aug. 9	.....do.....	.....do.....	.....do.....	181
Sept. 6	.....do.....	.....do.....	.....do.....	1,840
10	.....do.....	.....do.....	.....do.....	531
Apr. 2	Big Charlie Creek	Peace Creek....	Near Buchanan, Fla.	1.70
3	Horse Creek.....	.....do.....	Near Pine Level, Fla.	.024
June 17	Shell Creek.....	.....do.....	Near Punta Gorda, Fla.	.180
17	North Fork of Alligator Creek	Alligator Creek.....	.....do.....	.144
17	South Fork of Alligator Creek.	.....do.....	.....do.....	.020
17	Alligator Creek..	Charlotte Harbor.	.....do.....	.15
Apr. 4	Miakka River.....	.....do.....	Myakka City, Fla.	0
4	.....do.....	.....do.....	State Highway 220 crossing south of Miakka, Fla.	0
4	Manatee River....	Tampa Bay.....	Near Verna, Fla.	10.7
July 11	.....do.....	.....do.....	.....do.....	61.0
Apr. 4	Little Manatee River.	.....do.....	Willow, Fla.	8.87
July 10	.....do.....	.....do.....	.....do.....	302
Apr. 5	South Fork of Alafia River.	Alafia River...	Near Lithia, Fla.	16.7
9	Lithia Spring....	.....do.....	.....do.....	47.4
6	Sulphur Spring...	Hillsboro River	Tampa, Fla.	20.8
Oct. 4	Blue Spring.....	Blue Spring Branch.	Near Hamilton, Ga.	.743
11	.....do.....	.....do.....	.....do.....	.757
18	.....do.....	.....do.....	.....do.....	.651
25	.....do.....	.....do.....	.....do.....	.660
Nov. 1	.....do.....	.....do.....	.....do.....	.671
8	.....do.....	.....do.....	.....do.....	.692
15	.....do.....	.....do.....	.....do.....	.697
22	.....do.....	.....do.....	.....do.....	.739
29	.....do.....	.....do.....	.....do.....	.742
Dec. 6	.....do.....	.....do.....	.....do.....	.758
13	.....do.....	.....do.....	.....do.....	.721
20	.....do.....	.....do.....	.....do.....	.695
27	.....do.....	.....do.....	.....do.....	.696
Jan. 4	.....do.....	.....do.....	.....do.....	.737
11	.....do.....	.....do.....	.....do.....	.747
18	.....do.....	.....do.....	.....do.....	.808
25	.....do.....	.....do.....	.....do.....	.747
Feb. 1	.....do.....	.....do.....	.....do.....	.733
8	.....do.....	.....do.....	.....do.....	.741
15	.....do.....	.....do.....	.....do.....	.735
22	.....do.....	.....do.....	.....do.....	.705
Mar. 1	.....do.....	.....do.....	.....do.....	.715
8	.....do.....	.....do.....	.....do.....	.817
15	.....do.....	.....do.....	.....do.....	.750
22	.....do.....	.....do.....	.....do.....	.818
29	.....do.....	.....do.....	.....do.....	.786
Apr. 5	.....do.....	.....do.....	.....do.....	.782
12	.....do.....	.....do.....	.....do.....	.788
19	.....do.....	.....do.....	.....do.....	.784
26	.....do.....	.....do.....	.....do.....	.758
May 3	.....do.....	.....do.....	.....do.....	.739
3	.....do.....	.....do.....	.....do.....	.731
11	.....do.....	.....do.....	.....do.....	.721
17	.....do.....	.....do.....	.....do.....	.714
25	.....do.....	.....do.....	.....do.....	.694
31	.....do.....	.....do.....	.....do.....	.709
June 7	.....do.....	.....do.....	.....do.....	.696
14	.....do.....	.....do.....	.....do.....	.710
21	.....do.....	.....do.....	.....do.....	.702
28	.....do.....	.....do.....	.....do.....	.741

Miscellaneous discharge measurements in South Atlantic slope and eastern Gulf of Mexico basins during the year ending September 30, 1935--Continued

Date	Stream	Tributary to-	Locality	Discharge (sec.-ft.)
May 4	Chootawhatchee River.	Gulf of Mexico.	Near Bellwood, Ala.	1,110
9	....do....	....do....	....do....	956
June 13	....do....	....do....	....do....	381
July 25	....do....	....do....	....do....	1,000
Aug. 9	....do....	....do....	....do....	743
22	....do....	....do....	....do....	1,340
Sept.30	....do....	....do....	....do....	1,870
May 8	Whitewater Creek	Pea River	At Elba, Ala.	873
June 6	Cahaba River	Alabama River	Near Marion Junction, Ala.	3,550
July 15	....do....	....do....	....do....	614
Aug. 10	....do....	....do....	....do....	418
Sept.13	....do....	....do....	....do....	763
May 28	Sipsey River	Tombigbee River	Near Elrod, Ala.	895
July 12	....do....	....do....	....do....	133

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